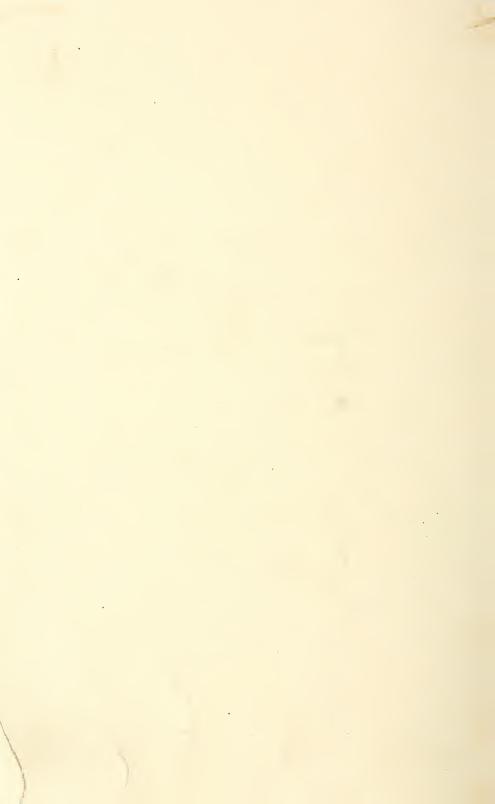
Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



EXPENDITURES

IN THE

DEPARTMENT

OF.

AGRICULTURE.

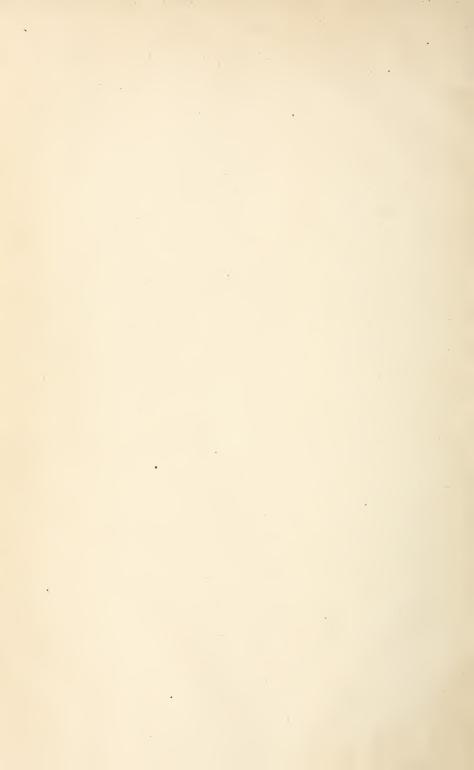
DIVISION

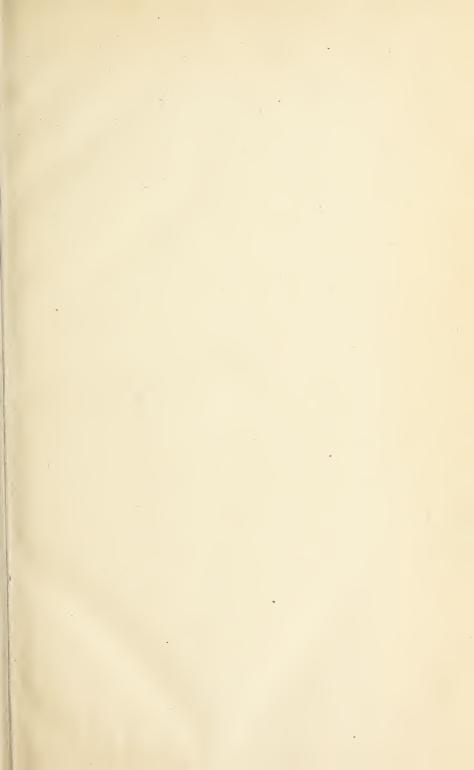
OR

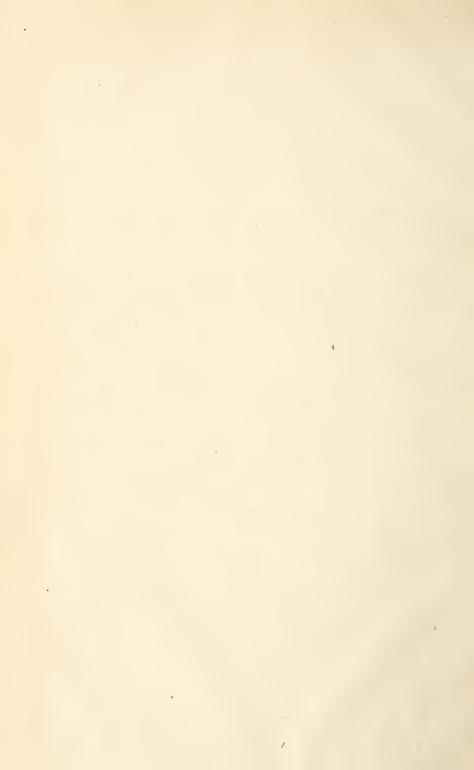
PUBLICATIONS.











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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Library, U. S. Department of Agriculture,
Washington, D. C.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

A DETAILED STATEMENT OF THE EXPENDITURES OF ALL THE APPROPRIATIONS IN THE DEPARTMENT OF AGRICULTURE FOR THE FISCAL YEAR ENDING JUNE 30, 1898, INCLUDING SUPPLEMENTAL ACCOUNTS TO DATE.

DECEMBER 5, 1898.—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

UNITED STATES DEPARTMENT OF AGRICULTURE, OFFICE OF THE SECRETARY, Washington, D. C., November 15, 1898.

SIR: In conformity to law I have the honor to present herewith to Congress a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1898, including supplemental accounts to date.

Very respectfully,

JAMES WILSON, Secretary.

The Speaker of the House of Representatives.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898.

SALARIES.

Names.	Amount.	Name.	Amount.
James Wilson J. H. Brigham D. E. Salmon John Hyde F. L. Evans Geo. Wm. Hill F. V. Coville L. O. Howard C. H. Merriam B. F. Galloway H. W. Wiley G. M. Brumbaugh A. D. Melvin	4,500.00 4,000.00 2,747.30 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00	H. E. Alvord Milton Whitney F. Lamson-Scribner B. E. Fernow William Saunders Victor Norgaard E. A. de Schweinitz G. K. Holmes G. B. Brackett J. B. Bennett A. Zappone S. R. Burch A. M. Farrington	2, 500, 00 2, 500, 00 2, 500, 00 2, 250, 00 2, 250, 00 2, 270, 00 2, 078, 80 2, 000, 00 2, 000, 00 2, 000, 00 2, 000, 00

SALARIES-Continued.

Name.	Amount.	Name.	Amount
. W. Stiles	\$2,000.00	Marion Dorsett	\$1, 200.
ndrow Coddos	1, 875. 00	J. A. Emery	1, 200, 0
. B. Lower	1,831.50	Lawrence Gallagher	1, 200.
B. Lower D. Yerby A. Arnold as. L. Watkins	1, 800.00	J. A. Emery Lawrence Gallagher Mary F. Dent Jos. Able	1, 200. (1, 200. (1, 200. (
A. Arnold	1, 800.00	Jos. Able	1, 200.
as. L. Watkins	1,800.00	J. C. I. Evans	1, 200.
. H. Hicks . L. Marlatt	1, 800. 00	M. H. Mahon Mary J. Marshall	1, 200.
S. Palmer	1, 800. 00 1, 800. 00	Alice Norris	1, 200. 1, 200.
V. A. Taylor	1,800.00	Claribel Barnett	1, 200.
F. Woods	1, 800.00	Geo. F. Thompson J. W. Wilson H. M. Hendrick	1, 195.
F. Woods E. Ewell	1, 800.00	J. W. Wilson	1, 168.
. B. Jones	1,800.00	H. M. Hendrick	1 100.
A. Pearson	1,800.00	F H Storong	1, 098.
. C. Schroeder . F. Dawson	1,800.00	Jno. Nordhouse. Mary E. Williams M. B. Zimmerman	1,095.0
F. Dawson	1, 800. 00	Mary E. Williams	1,000.
. H. Gerdes	1, 800.00	M. B. Zimmerman	1,000.
ared G. Smith	1, 800. 00	J. I. Watiington	1, 000.
has. A. Keffer 7. P. Cutter	1, 800, 00 1, 800, 00	Ella Edwards W. F. Tomlinson	1,000.
J. Ashton	1, 600. 00	Minnie T. Atkinson	1, 000.0 1, 000.
llen Dodge	1,600.00	M E Thorn	1,000.
F. Harrington	1, 600. 00	M. E. Skinner	1,000.
llen Dodge F. Harrington 7. C. Pennywitt	1,600.00	C. E. Bracey	1.000.
dwd Bailev	1, 600. 00	C. E. Bracey E. L. Clark	1. 000.
eo. E. King . H. Seaton heo. Pergande	1,600.00	C. L. Walden	1.000.
H. Seaton	1,600.00	H. R. Smedes Geo. W. Baumann	1 000.
heo. Pergande	1,600.00	Geo. W. Baumann	1.000.
. D. Bigelow	1,600.00	A. M. Wright	1 000
H. Krug	1,600.00	M. M. McClure	1, 000.
. J. Olin A. Harvey . K. Fisher	1,600.00 1,600.00	Ada B. Morrison Bertha Heiges	1,000.
K Fisher	1, 500. 00	J. L. Arntzen	1, 000. 1, 000.
hos. A. Williams	1, 500. 00	W. E. Cotton	1,000.
A Leith	1, 465. 20	M. N. Barnard	1,000.
A. Leith. H. Egleston	1, 460. 87	Irwin Frickey	1 000.
arry N. Price	1,400.00	Irwin Frickey B. G. Wasdon	1 000.
ouise Breeden	1, 400, 00	T. H. Means	1 000
vie Lyon	1, 400.00	Janet Stewart	1 000
N. Gregory	1,400,00	Nathl. Shatzell	1.000.
. M. Housman	1, 400. 00	Emma Hawks	1 (100)
arrie Du Boise	1, 400. 00	Jas. Halley	1, 000.
. McCutchen	1, 400. 00	A. T. English S. E. Miller McP. Reynolds	998.
C. Cox '. W. Long D. Stallings H. Hendrix	1, 400. 00 1, 400. 00	Map Poynolds	995. 968.
D Stallings	1,400.00	Amelia Lewis	962.
H Hendriy	1,400.00	J P Shannon	959.
av West	1, 400. 00	J. P. Shannon Flora Steinenger	923.
ay West . F. Safford	1, 400. 00	J. M. Pickens	915.
G. Latham	1.400.00	V. K. Wharton	900.
. E. Shanahan	1, 400. 00	F. L. J. Boettcher	900.
J. Pieters	1, 400, 00	L.J. Briggs	900.
rank Benton	1, 400. 00	J. M. P. Haas	900.
E. L. Beal ary Sullivan J. J. Luebkert	1, 400, 00	Thos. Ruggles	900.
ary Sullivan	1, 400.00	Louise Tayler I. S. Pennybecker	851. 840.
A. Clark	1,400.00	W. F. Criffith	840.
S. D. Haines	1, 400.00 1, 400.00	W. E. Griffith R. T. Johnson	840.
F Trescott	1, 382. 88	Southron Key	840.
E. Trescott	1, 335. 36	Southron Key. Annie Parker. M. A. Goodchild	840.
G. Runyan	1, 331. 90	M. A. Goodchild	840.
Imonî Barnes	1, 327, 55	Frank J. Cleary	840.
H. Brigham	1, 265. 93 1, 200. 00	J. Y. Hudson	840.
J. Ray Helen Burr	1, 200. 00	Eugene W. Willard	840.
Helen Burr	1, 200, 00	Helen E. Gray	840.
T. Chapman	1, 200. 00	H. A. Goodenial Frank J. Cleary. J. Y. Hudson Eugene W. Willard Helen E. Gray Thos. B. Reamy. Juliet B. Graham Jos. Williams. Www. Cellien	840.
K. Bragden C. Saunders	1, 200.00 1, 200.00	Junet B. Graham	840.
W. Janes	1, 200, 00	Wm Collier	840. 840.
W. Jones	1, 200. 00 1, 200. 00	A H Brooks	840.
L Wood	1,200.00	Jas Morison	831.
. M. Key . L. Wood . L. Vining . M. King . P. Chestrat	1, 200. 00 1, 200. 00	Jas. Morison Eva H. Quinn Mary E. Fagan A. De S. Lovejoy	796.
m, M. King	1, 200. 00	Mary E. Fagan	777.
	1, 200, 00	A. De S. Lovejov	769.
I. P. Champney	1, 200, 00	M. S. Bowie	769.
P. Champney A. Prebles G. Passmore	1, 200, 00 1, 200, 00	M. S. Bowie W. W. Tracy V. M. Peticolas	750.
. G. Passmore	1 200 00	V. M. Peticolas	750.
I. S. Tidd	1, 200. 00	T. H. Kearney, jr Virginia Miller A. M. Winfield	. 746.
lora W. Patterson K. Hayward	1, 200. 00 1, 200. 00		743.

EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

SALARIES—Continued.

Name.	Amount.	Name.	Amount
T. Harrison	\$730, 20	M. A. S. Coleman	\$300.
E M Gentt	720,00	John Richards	270.
Jary Dugan	720.00	E. L. Ogden	253.
V C Stamper	720.00	H. A. Robinson	252.
Emily J. Wilde	720.00	B. M. Dodson	250.
Clarence Bean	720.00	R. B. Blackman	250.
3. F. Ridgeway	720.00	Kate McCarthy	240.
R. H. Cook	720.00	Catherine Baltimore	240.
'had, Fairfax	720.00	Maria Mead	240.
. D. Frost	720.00	Lizzie Rollins	240.
Alfred Hawkins	720.00	Annie Gibson	240.
V. H. Moor	720.00	E. B. Harden	228.
H. I. Hall	720.00	C. W. Tower	225.
I. S. Mott	720.00 720.00	Kepler Hoyt	222.
Vm. P. Steadman	720.00	Charity Brodus	218. 210.
Ioses Smith	720.00	Louise Tayler	209.
Iarry Compton	720, 00	L. S. Williams	202.
Thos, Rutledge	720.00	A. M. Winfield	202.
V. S. Canatsey	720.00	A. G. Guthridge	201.
S. Lee	720.00	F. H. Wagner	201.
J. J. Hodges	720, 00	Maggie Ruppert	199.
L. M. Reese	705.00	W. D. Jones	180.
A. H. Kite	704.35	H. S. Tullis	176.
Emily McDonell	675.00	D. M. Hall	168.
J. Weinheimer	672.57	Chas. Fox	160.
Vathan Banks	663.90	Kate L. Howe	159.
V. E. C. Todd	660, 00	Jared M. Snyder	150.
ena Bradford	666.00	J. S. Carnell	150.
V. A. Murray	659.40	J. J. Atwell	134
dary H. Kobbins	627. 80	G. L. Spencer	131.
Feo. W. Sheerer	627, 50 625, 00	Margaret MacCuaig C. C. Moore	122
O. MacCuaigV. D. Dunlap	624. 96	G. E. Patrick	115. 115.
R. H. Edmundson	600.00	J. C. Wight	101
I. L. Brown	600, 00	C. C. Georgeson.	101
V. F. Deakins	600, 00	J. E. Leonard	86.
. H. S. Tabler	600.00	Sara Skinner	84.
Iartin Johnson	600.00	L. E. Fairfax	70.
rank B. Cooksey	600.00	Frank Snyder	66
V. N. Talbot	600.00	O. P. Angelo	59.
mily Werner	600.00	M. F. Ryon	59.
rank Sprague	600.00	T. C. Blackiston	50
B. Handy A. Mason	590.00 560.10	Jacob Strong	50.
H. Taverner	529, 20	Frank D. Simons M. S. Chamberlin	50 49
everdy Davis	540.00	C. R. Thomas	49.
Iartha Boss	475, 47	Rose P. Leitch	41.
ellie Haughton	461. 09	Mary L. Dallas	40.
. B. Heiges	421. 20	Mary T. Oberholtz	40.
ouise Douglas	420.00	Mary L. Dallas Mary T. Oberholtz M. M. Dick	40.
has. D. Geddes	418.40	Susie Morgan	40.
lora Schmidt	403.30	Jas. Munro	39.
ennie Jones	400.00	Sarah L. Garner	34.
V. C. Shimoneck	390, 00	J. C. Brooks	29.
I. P. Hottenstien	375. 03	Eva Hampten	20.
. W. Brett	357. 50	M. B. Clarvoe	15.
aylor Trice	357.50	A. L. Dahler	15.
T. Bickford ohn Nicholds	341. 25 336. 30	Fred. Deffer	9.
C. Pratt	336. 30	J. W. Harris	9. 6.
I. M. Brigham	334.03	Arthur Robinson	6,
P. Evans	330. 00	John Higgins	6.
. L. Shear	326, 91	E. W. Sterns	5.
I. Gerard	320, 90		J.
. W. Thavis			

FURNITURE, CASES, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
21	Geo. Willner. W. H. Lacy Library Bureau Geo. A. Shehan W. H. Lacy	Plastering Index cases Lumber	46.00 5.00 53.40

Date.	Name.	Nature of payment.	Total.
1897.	'		
July 30	Office Specialty Manufacturing Co	Index covers	\$6.00
31	Geo. A. Carter et al.	Salaries	767. 15
Aug. 4	Rufus P. Clarke W. B. Moses & Sons	Cloth, etc	21. 25 77. 32
6	Wm Lowis	Repairing	4.00
	Ernest Betz	Repairingdo	19.80
18	I. H. Honkins	Screens. Awning	8.44
	S. J. Haislett	Door checks, etc	4.00 2.49
	Thos Somerville & Sons	Injective	40. 95
	Rudolph, West & Co. Thos. Somerville & Sonsdo	Tanks, etc	29. 24
25	Library Bureau	Card index	9.00
	W. B. Moses & Sons Geo. F. Muth & Co	Chairs, desks, etc	121. 95
	Hugh Railly	Paint, oil, etc Calcimine and glass	40.30 18.86
	Hugh Reilly do	Oil	17. 18
31	Geo. A. Carter et al	Salaries	384.90
Sept. 3	Geo. A. Shehan	Shelving Card-index case Cretonne, etc	15. 00
	Library Bureau Rufus P. Clarke	Card-index case	127.50
10		Nails, etc	1. 28 7. 14
10	F. P. May & Co.	Locks	4. 32
18	G. F. Muth & Co W. B. Moses & Sons do Mackall Bros. & Flemer	Plumbers' supplies Valve Paints	52.00
	dodo	Valve	2.10
	W. P. Mosos & Sons	Paints	11.76 27.00
	do	Table and matting	8. 36
	Mackall Bros. & Flemer	Turpentine	18. 53
30	Geo. A. Carter et al	Table and matting	283.60
	Total first quarter		2, 250. 82
Oct. 1	W. A. Dodo	Noile	1 40
Oct. 1	W. A. Pate Library Bureau	Nails	1. 43 15. 0 0
6	Wash B. Williams	Shades	3.00
	Wm. Lewis	Shades Repairing chairs	10. 25
7	Rudolph, West & Co	Hardware Repairing roof Repairs Bookcase	6. 83
8 12	Ernest Betz	Repairing root	2.00 13.00
16	Thos. Somerville & Sons W. B. Moses & Sons	Bookcase	17. 00
20	Geo. A. Carter et al. Ernest Betz W. S. Hutebinson	Card-index cases, etc	97. 00
30	Geo. A. Carter et al.	Salaries	310.20
Nov. 1	Ernest Betz	Register Files	2. 25 2. 32
. 9	I Wm D Colt	Welchach hurners	20.00
	Rudolph, West & Co W. B. Moses & Sons Library Bureau Geo. F. Muth & Co	Hardware	6.37
11	W. B. Moses & Sons	Furniture, etc Files and document cases	336. 07
16	Library Bureau	Files and document cases	205.00
18 23	Mitchell & Pood	Lead, etc	25. 10 45. 00
26	Geo. A. Shehan	Lumber	134. 64
	Mitchell & Reed Geo. A. Shehan	do	7, 80
30	Geo A Carter et al	Salaries	364. 10
Dec. 2	Wm H Leer	Billiard cloth	19. 25 8. 50
	Rufus P. Clarke Wm. H. Lacy Ernest Betz	Plastering Repairing roof Hardware	8. 50 3. 65
6	Rudolph, West & Co	Hardware	10.50
7	Rolt & Dyor	MOIUING	3.50
8	Library Bureau Rudolph, West & Co Thos. Somerville & Sons	Index case	9.00
14	The Somerville & Sons	Hardware Marble slabs, etc	5. 01 9. 67
21	Hugh Reilly	Zinc. glasses, etc.	13. 41
27	Associated Trade and Industrial Press	Zinc, glasses, etc Chair Salaries	8. 50
31	Geo. A. Carter et al.	Salaries	372. 51
	Total second quarter		2, 097. 86
1898.	Car Maior & Ca	D	0.770
Jan. 3	Geo. Meier & Co	Bronze	2. 70 1. 50
6	W. B. Moses & Sons	Molding Furniture, etc Keys	766. 65
15	C. Schneider	Keys	2.40
	F. P. May & Co	Locks	4. 32
	Rufus P. Clarke	Cloth	19. 25
	Geo. Meier & Co Belt & Dyer W. B. Moses & Sons. C. Schneider F. P. May & Co Rufus P. Clarke Hugh Reilly Rudolph, West & Co Rufus P. Clarke Thos Somerville & Sons	Glass Keys	3. 07 6. 17
	Avadorphy 11 Ool to OU seessalessalessalessalessalessalessales	62 3	
22	Rufus P. Clarke Thos. Somerville & Sons	Cloth Plumbers' supplies	19. 25 105. 75

Total.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd.

FURNITURE, CASES, AND REPAIRS-Continued.

Nature of payment.

Name.

Date.

1002			
1898. Jan. 22	Thos. Somerville & Sons	Slab	\$4.63
an. 22	Geo. A. Shehan	Lumber	138. 89
	do	do	51. 90
	do	Locks	38.37
25	Jas. B. Lambie	Locks	2.00
31	Geo. A. Carter et al	Salaries	323.00
eb. 1	Library Bureau.	Index case	5. 00
2	Hugh Reillydo	Paints, etc	31. 54 14. 16
	W R Moses & Sons	Furniture, etc	148.34
5	W. B. Moses & Sons B. F. T. Bell	Rings, etc., for case.	6, 50
8	Geo. A. Shehan	Lumber	35, 50
	do	do	32. 24
11	Ernest Betz	Repairing roof	2.00
14	Rudolph, West & Co	Brushes	6.84
17	Chas. Becker	Paint	1.10
25 28	Thos. Somerville & Sons	Solder	9. 55 167. 25
Iar. 1	Jno. C. Parker	File cases	521, 40
2	Hngh Reilly	Paint	16. 38
9	Francis Miller	Oil finish	12.50
15	Office Specialty Manufacturing Co	File case	87.00
	Francis Miller Office Specialty Manufacturing Co Geo. F. Muth & Co	Putty	3.00
	Thos. Somerville & Sons	Marble slab and basin	5. 66
22	W. B. Moses & Sons	Furniture, etc	100.85
0.0	Ernest Betz	Repairing gutter	3.40 30.50
30	Thos. Binnix Jas. B. Lambie	Tin gutter	1.73
31	Geo. A. Carter et al.	Salaries	155.00
01	Geo. 21. Carter et al	Datatics	100.00
	Total third quarter		2,887.29
pr. 2	Geo. A. Shehan	Lumber	16. 80
14	Thos. Binnix	Repairing tin roof	2. 75
16	Jno. C. Parker	Card-index case	24.00
22	Thos. Somerville & Sons	Washers	. 50
	Rudolph, West & Co	Hardware	9. 32
29	Geo. A. Shehan Geo. A. Carter et al.	Shelving	15.06
30 1 ay 2	The Birrie	Salaries	155. 40
17 17	Thos. Binnix W. B. Moses & Sons	Repairing roof	2.50
1,	Thos. Somerville & Sons	Furniture, etc	19.70 3.56
	Geo. A. Shehan	Lumber	15, 36
31	Geo. A. Carter et al.	Solories	153, 20
une 11	Thos. Somerville & Sons	Plumbers' supplies	1.88
16	W. B. Moses & Sons	Recaning chairs	2, 50
18	Belt & Dyer.	Electric wire, etc	6.00
30	Geo. A. Carter et al.	Salaries	148, 40
	Total fourth quarter		576.93
	Supplemental.		
ml= 7	Con A Chalan	F 1	0.04
fuly 7 13	W. B. Moses & Sons.	Lumber	8. 04 4. 60
19	Geo. A. Shehan.	Chair Lumber	1.35
14	Rudolph. West & Co	Door check, etc	2.49
	Chas. R. Edmonston	Cooler and rack	3. 32
18	Chas. R. Edmonston Thos. Somerville & Sons	Valve, etc	5.15
25	J. C. Parker	Dictionary stand	6.50
	W. B. Moses & Sons	Valve, etc Dictionary stand Matting	6.9 5
Sept. 2			

Dat	e.	Name.	Nature of payment.	Total.
1897	,			
July	24	Gustav E. Stechert	Year book	Q1 89
Aug.	4	R. A. Dinsmore	Standard Dictionary	\$1.88 18.00
0	5	H. L. Russell	Book	1.00
	6	A. K. Williams	Books Card-catalogue case	2.00
	20	A. K. Williams Library Bureau A. T. De La Mare Printing and Publishing Co Wm. Wesley & Son Gustav E. Stechert do	Card-catalogue case	20.00 7.00
	24	Wm Wesley & Son	Books Book	7. 00 1. 25
	25	Gustay E. Stechert	Books	18 15
		do	do	18. 17. 17. 05 17. 05 13. 44
			do	13. 4
	- 1	Alice P. Read Gray Herbarium of Harvard University	PamphletsSynoptical flora	33, 20
		Gray Herbarium of Harvard University	Synoptical flora	10.40
		I. S. Johnson & Co. The Publishers' Weekly Gustav E. Stechertdodo	Books	1.55
b	26	Gustav E. Stechert	Books	1.50 18.00
	-	do	do Index cards Book	1. 10
Sept.	20	Library Bureau	Index cards	1. 10 27. 00
		Bernard Quaritch	Book	10.50
		Wm. Wesley & Son	Books	90.00
	99	H. N. Patterson	Botanical bibliography cards	15.00
	22	The Osprey Co	Books	1. 00 2. 00
		Henry R. Taylor	do	2, 00 3, 50
		Cambridge Botanical Supply Co	do	2.99
		do Library Bureau Bernard Quaritch Wm. Wesley & Son H. N. Patterson Payot, Upham & Co The Osprey Co Henry R. Taylor Cambridge Botanical Supply Co N. Murray	do	4.2
	1			
		Total first quarter		321. 8
Oct.	9	Gustav E. Stechert	Books	25. 7
000.		do	do	21. 6
		do do	do	9. 6
				8. 7
	21	Brentanos Gustav E. Stechert. William Wesley & Son Library Bureau	do	19. 0
	23	William Wesley & Son	do	1.20 18.90
	1	Library Rureau	Card-index case and base	75. 00
Nov.	1	Brentanos.	Books.	8. 80
	8	Brentany Bureau Brentanos E. C. Riley Wm. Ballantyne & Son C. H. Coe Houghton, Mifflin & Co R. Carter Ballantyne Library Bureau Chas. L. Lochman H. N. Pattorskon	Collection of pamphlets	300.00
	9	Wm. Ballantyne & Son	Books	3. 6
	16	C. H. Coe	Book	1.50
	18	Houghton, Mifflin & Co	do	2, 2
Dec.	1	Library Purces	Books	6. 19
Dec.	r	Chas. L. Lochman	Sheets of numbers	35. 10
	4	H. N. Patterson	Cards	15, 00
		Jas. T. White & Co. Jno. Byrne & Co.	Dictionary	18.00
	8	Jas. T. White & Co	National Cyclo.Amer. Biog., Vol. 7	8. 00 6. 00
	10	Jno. Byrne & Co	Book	6.0
	10	R. A. Dinsmore	Standard Dictionary	18.00
	14 16	Dodd Mead & Co	Cards Dictionary National Cyclo.Amer. Biog., Vol.7 Book Standard Dictionary Book American Book Price Current	2. 75 6. 00
	17	L. R. Taft	Books	2.00
		The Sun Printing and Publishing Association	Sun	1.0
	18	Library Bureau	Order tableLabel holders	1. 2
		R. A. Dinsmore H. A. Van Winkle Dodd, Mead & Co L. R. Taft The Sun Printing and Publishing Association Library Bureau do	Label holders	4. 0
		Total second quarter	<u> </u>	620.0
1898	3.		, ;	
Jan.	4	W. H. Lowdermilk & Co	Books	34. 1
	13	Jno. C. Parker	Standard Dictionary	13.0
	15	R. C. Ballantyne	Booksdo	31.20
	22 25	Chas, H. Coe Jno. C. Parker		5. 7
	27	R. A. Dinsmore	Labels Standard Dictionary	15.00
Feb.	i	Free Public Library, Jersey City	Books	82.00
		Gno. C. Parker R. A. Dinsmore Free Public Library, Jersey City Library Bureau The Boston Book Co Geo. H. Richmond & Co William R. Davis Chee. H. Coe.	Pockets	16. 00 7. 50 7. 88
	3	The Boston Book Co	Books	7. 50
	1.	Geo. H. Richmond & Co	do	7.88
	14	Geo. H. Richmond & Co William R. Davis Chas, H. Coe E. T. Cresson R. Friedlander & Sohn	Subscription to National Mirror	. 50
	17	E T Crosson	do	1. 5
	21	R. Friedlander & Sohr	do	83. 6
	23	Tradesman Co.	do	. 5
	20	Tradesman Co. C. H. Evans & Co.	College and school dictionary	. 50 5. 00
	25	C. H. Evans & Co T. N. Gill The Publishers' Weekly John Wiley & Sons A. T. De La Mare Printing and Publishing Co	London Encyclopedia	11. 0
N. W	1	The Publishers' Weekly	Book	3. 00 3. 00
Mar.	-			

1898. Mirr 1	Da	te.	Name.	Nature of payment.	Total.
Mar 1 C. F. Libbie & Co	189	98.			
		. 1	C. F. Libbie & Co	Books	\$139.04
		2	Library Bureau Gustav E Stechert	Books	9,00
			do	do	26.04
A.S. Clark			do	do	24. 82
A.S. Clark			do	do	24.33
A.S. Clark			do	do	10. 74
A.S. Clark			do	do	9. 91
A.S. Clark			do	do	4.60
A.S. Clark			do	do	
A.S. Clark			do	do	2. 19
A.S. Clark			dodo	do	1.25
A.S. Clark			do	do	12.38
100			do	do	14.06
100		3	A.S. Clark	do	1. 20
100		3	will. Wesley & Soil	do	8, 75
			do	do	7.95
			do	do	7.88
	*		do	do	6.00
			do	do	5.00
Section			do	do	
Section			do	do	1.00 75
Section			do	do	. 66
Company Comp					4.25
Company Comp			R. A. Dinsmore	do	
Company Comp		10	R. B. Hough	do	
Company Comp			C. F. Libbie & Co	do	218.30
Company Comp			A. E. Foote	do	2.50
Apr. 1		14	do do	do	20.70
Apr. 1			Orange, Judd Co	do	1.00
Apr. 1			Puttkammer & Mulilbach	do	
Apr. 1		19	Library Rureau	Conds	9.00
Apr. 1			The Boston Book Co.	Periodicals	48.00
Apr. 1		0.0	N. Murray	Books	3.00
Apr. 1		21	W. Ballantyne & Sons	do	20. 90
Apr. 1		23	Gustav E. Stechert	Periodicals	27.29
Apr. 1 A. A. Heller					
Gustav E. Stechert			Total third quarter		1, 388. 02
-do	Apr.	1	A. A. Heller	Books	3.00
2			Gustav E. Stechert	do	11. 20
2			do	Rook	
2			do	do	
2			do	do	. 53
11 Mrs. L. S. Rose		2	do	do	
15 E. C. Hamilton			do	do	2.10
15 E. C. Hamilton		11	Mrs. L. S. Rose	Blue prints	30.00
C. H. Coe		15	E C Hamilton	Books	314. 25
C. H. Coe			H. N. Patterson	Cards	15, 00
Louisiana Planter and Sugar Manufacturer			Sierra Club	Bulletins	2.75
A.W. Livingston's Sons		19	Louisiana Planton and Saman Managa		2.00
Mushroom chart		10		do	10. 50
Henry A. Dreer		23	Tabor Prang Art Co	Mushroom chart	
Henry A. Dreer			Lemcke & Buechner	Books.	19.53
Henry A. Dreer Books 9,00			Archives.	Subscription, six months	1.50
25		25	Henry A. Dreer	Books	
May 3 Dictionary 0.20		25	Little, Brown & Co	do	15.00
May 3 Library Bureau Label holders 7.50 Garden and Forest Publishing Co Books 15.44 J. A. Penman Book 13.86 20 W.O. Davie & Co Books 6.40		29	Peter Fireman	Book	9.20
Garden and Forest Publishing Co Books 15.44 J. A. Penman Book 13.86 20 W. O. Davie & Co Books 6.40	May	3	Library Bureau	Label holders	7.50
20 W.O. Davie & Co. Book. 13.86 6.40			Garden and Forest Publishing Co	Books	15.44
D00KS		20	W. O. Davie & Co	Book.	
		_0 1		DOORS	0.40

Date.	Name.	Nature of payment.	Total.
1898.			
1ay 20	Library Bureau	Shelving	\$588.
21	Julius Bien & Co	Map Books	1. 10.
23	Wm. Wesley & Son	Books	10.
	dododo	dodo	4. 3.
	do	do	3.
	Gustav E. Stechert	Book	1.
	D. Emiadlandon & Calan	Periodicals	165.
24	Jno. J. Bradley	Books	13.
ine 1	Jno. J. Bradley Gustav Fock	Book	4.
6	K. C. Danantyne	Baedecker's Guides	39,
9	Journal of Commerce and Commercial Bulletin.	Subscription	6.
	Sun Printing and Publishing Association	do	4.
15	Sun Printing and Publishing Association Boston Cooking School Magazine	Eight volumes	
10	Cambridge Botanical Supply Co	Bibliography American Botany,	24.
		on eards.	
	Publishers' Weekly Louisiana Planter and Sugar Manufacturer.	Literary index	3.
18	Louisiana Planter and Sugar Manufacturer.	Back numbers	5.
	The Bee Publishing Co	Subscription daily and Sunday	8.
00	Touch Youth & Co	Bee, 1 year.	0
$\frac{20}{22}$	Jacob North & Co	Books	33
22	dustav E. Stechertdo	do	32
	do	do	16
	do	do	16.
	do.	do	. 16
	do.	do	15
	do	do	12
	do	do	21
	do do E. T. Cresson Bangs & Co Gustav E. Stechert.	Rook	18 1
23	Bange & Co	Books	37
20	Gustav E. Stechert	do	32
			21
	do	Book	22
24	do do Lemeke & Buechner	Books	22
25	Lemcke & Buechner	do	20
	do	do	26 32
	do	do	16
	do	do	27
	do	do	1
	do	dodo	57
	do	do	14
	do	do	6
	do	do	29
	do	do	26 30
	do	do	8
	do do do do do	do	5
	do	do	43
	do	do	8
	Tratal formath as series		9 000
	Total fourth quarter		2,090
	Supplemental.		
	Supplemental.		
aly 1	Macmillan Co	Book	1
2	W. H. Lowdermilk & Co	Books	7
	do	do	34
7	Bangs & Co	Book	2 2
23	American Florist Co. Lemcke & Buechner.	Dictionary	11
25	S. H. Smith	Copy Wood Worker	4
20	Gustav E. Stechert	Books	34
	Lemcké & Buechner S. H. Smith Gustav E. Stechertdo	do	21
		ao	4
	do	do	3
	do William Wesley & Son	do	1
	William Wesley & Son	do	12
	J. C. Parker	Railroad Guide	8 5
.ug. 3	A A Heller	Books	1
	A. A. Hellet	Book.	$\frac{1}{2}$
11	Veterinary Blue Book		
Lug. 3 11 12	A. A. Heller Veterinary Blue Book The Washington Post Co Gustay E. Stechert.	Subscription	4. 1.

LIBRARY-Continued.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1898. Aug. 18	Chas. B. Murray	Subscription to Cincinnati Price	\$5.0
19	Jno. C. Parker	Railroad Guide	5. 0 51. 7
22	do	do	48. 1 42. 5
	do	do	40. 0 35. 8
	do	do	32. 0 31. 4
	do	do	31. 8 31. 2
	do	do	31. 0 31. 0
	do	do	30. 3 29. 1
	do	1	28. 0 27. 2
	dodo	do	28. 4 27. 8
	do	do	22. 2 22. 0
	do	do	21. 8 20. 7
	do	do	19. 7 19. 3
	do	do	18. 9 11. 8
90	do	do	9.9 2.0
23	Total	do	924. 7
	LOUAL		924.7

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter: Supplemental	620.04 1,388.02 2,090.06
Total	5, 344. 68

MUSEUM.

Date.	Name.	Nature of payment.	Total.
1897. July 31 Aug. 31 Sept. 18	W. H. Johnson et aldo	Bisulphide	\$180.20 180.20 3.30 174.60
	Total first quarter		538.30
Oct. 12 30 Nov. 30 Dec. 1 14 31	Rufus P. Clarke W. H. Johnson et al. do Theo. Leonhardt B. M. Harrover W. H. Johnson et al	Salaries do Beeswax	2.80 180.20 174.60 4.75 .50 180.20
1898. Jan. 31 Feb. 1 28 Mar. 22 31	Total second quarter A. A. Newton et al Theo. Leonhardt A. A. Newton et al Geo. F. Muth & Co. A. A. Newton et al	Salaries. Beeswax Salaries. Plaster paris.	543.05 318.50 11.88 288.00 2.25 318.50
	Total third quarter		939. 13

10 expenditures in the department of agriculture.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

MUSEUM-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Apr. 30 May 31 June 30	A. A. Newton et aldodododo	do	\$305. 00 289. 62 290. 92 885. 54

RECAPITULATION.

First quarter	\$538, 30
Second quarter	
Third quarter	939.13
Fourth quarter,	885, 54
Toursh quartor;	000.01
m 1	0.000.00

POSTAGE.

Date.	Name.	Nature of payment.	Total.
1898. May 10 June 16	Washington City post-officedo	Postage stampsdo	\$1, 000. 00 500. 00
	Total		1, 500. 00

CONTINGENT EXPENSES.

1897. uly 16	Thos. Somerville & Sons	Repairing punch	\$0.
•	M. Du Perow	Electric fans	145.
	Lutz & Co	Reins	3.
17	Jno. C. Parker	Toilet paper, etc	37.
	Belt & Dyer	Electric wire	10.
21	Rufus P. Clarke	Linen	1.
28	J. H. Brigham	Traveling expenses	9.
29	C. S. Kenfield	Repairing clock	3.
	C. Becker.	Straps, etc	2.
30	J. P. Nawrath	Twine	14.
ug. 4	Austin Smith	Blotting paper	21.
	The Columbia Rubber Works	Penholders	56.
	Rufus P. Clarke	Towels.	7.
	M. Du Perow	Fans	145.
	do	Electrical supplies	18.
	do	do	2.
	W. B. Moses & Sons	Dusters	16.
	Laura Thorne	Labor, hemming towels	1.
6	S. P. Johnson	Type ribbons	5.
	E. Morrison Paper Co	Rubber bands	46.
,	E. M. Willis	Ice	105.
9	Burrelle's Press Clipping Bureau	Clippings	20.
13	J. H. Brigham	Traveling expenses	13.
10	do	do	3.
	Fred B. Nichols & Co	Pencil sharpener	2.
16	J. E. Bromwell & Sons	Pitcher	_
10	E. M. Willis	Ice	12.
	Danenhower & Co.	Feed	29.
	Johnson Bros.	Coal	1, 212,
18	Mackall Bros. & Flemer.	Chamois skins	35.
10	do	Formaldehyde	1.
	Z. D. Gilman	Lock box	1.
	Wm. M. Galt & Co	Oats	22.
	Rudolph, West & Co	Hardware	2.
	do	Brushes, bucket, etc	33.
	United States Electric Lighting Co	Lighting grounds	92.
	do	Lighting building	49.
		Stationery supplies	62.
19	Easton & Rupp	Dictionary stand	5.
19		Gas.	24.
-00	Washington Gas Light Co		26.
20	Logan, Swift & Brigham Envelope Codo		24.

Date.	Name.	Nature of payment.	Total.
1897.			
Aug. 20	The J. F. W. Dorman Co	Pads	\$3. 29
	do	Materials	. 50 2. 40
	Caton Manufacturing Co Chadwick Copying Book Co Pearre C. Crowl & Co	Pad ink. Copying book Daters	70.00
	Pearre C. Crowl & Co	Daters	4.00
25	UO	Numbering machine	10. 50
	The White, Corbin & Co	Envelopes	8. 80 3. 00
	Jno. Underwood & Co New York Central and Hudson River R.R.Co	Passenger transportation	11.08
	Goo F Muth & Co	Brushes, etc.	11.01
27 28	Postal Telegraph Cable Co. Adams Express Co. H. W. Wiley.	Telegraph service	1.86
28 31	H W Wiley	Transportation	84. 45 11. 46
01		Straps, etc. Boxes, etc. Tubing	46.75
Sept. 3	Wm. Walter's Sons J. C. Ergood & Co Royce & Marean	Straps, etc	1.00
	J. C. Ergood & Co	Boxes, etc	4.66
	Royce & Marean Rufus P. Clarke		3. 90 2. 40
	do	do	1. 25
	do	Manila envelopes	16.50
	do.		2. 21
	Office Specialty Manufacturing Co. J. B. Chasseaud Cincinnati, Lebanon and Northern R. R. Co.	Cabinet binding case	27. 00
*	Cincinnati Lebanon and Northern P. P. Co.	Auger	5, 00 1, 50
8	J. H. Brigham	Traveling expenses	19. 62
	Z D Gilman	Salts	. 15
10	Pudolph West & Co	Cotton waste	24.71
16	Washington Gas Light Co- Danenhower & Co- E. M. Willis	GasFced	22. 00 54. 60
10	E M Willis	Ice	105. 07
17	R. L. Saunders	Ice	17. 53
18	R. Carter Ballantyne United States Electric Lighting Co	Ruling pen, etc	6. 69
	United States Electric Lighting Co	Lighting grounds Lighting building	93.00
	Wm V Galt & Co	Lighting building	35, 53 22, 40
	Western Union Telegraph Co	Feed Telegraph services	6. 14
	E. M. Willis	Ice. Water cooler	11. 52
	United States Electric Lighting Codo. do. Wm. M. Galt & Co Western Union Telegraph Co. E. M. Willis M. W. Beveridge Capital Traction Co. M. Du Perow	Water cooler	10.75
	M. Du Perow.	Car tickets	41.50 2.25
	Mackall Bros. & Flemer	Sponges	49. 45
	Louis S. Hayden	Books	79. 80
20	Louis S. Hayden Logan, Swift & Brigham Envelope Co	Sponges. Books. Envelopes	1.40
21	do The Press Clipping Bureau John C. Parker do	do Clippings. Stationery do	26.75
	John C. Parker	Stationery	20, 00 666, 69
	do	do	105. 40
	Total first quarter		4, 087. 76
0.4	1		
Oct. 1	Burrelle's Press Clipping Bureau	Clippings	20.00
	J. C. Ergood & Co W. A. Pate	SoapShoes	12. 56 6. 70
	Rufus P. Clarke	Cloth, etc	20, 50
2	Rufus P. Clarke. Caton Manufacturing Co	Cloth, etc. Mucilage Transportation	4.41
	Adams Express Co. The Geo. W. Knox Express Co. do. United States Express Co.	Transportation	25. 75
	do do	do	2. 34 1. 00
	United States Express Co.	do	9. 40
		do	6, 30
5	dodo	do	5. 58
9	The J. F. W. Dorman Co J. P. Roosa	Rubber stamps	41. 00
	The Maurice Joyce Engraving Co	Sálary	75. 00 2. 70
	Instantaneous Fire Alarm Co	Pont hoves	15. 00
	Wyckoff, Seamans & Benedict	Repairing typewriter	15.40
	Instantaneous Fire Alarm Co. Wyckoff, Seamans & Benedict Ernest Betz Rufus P, Clarke.	Repairing typewriter. Table for factory Towels	2.75
	E. M. Willis	Ice	64. 00 106. 54
	E. M. Willis Woodward & Lothrop.	Pincushions	1. 20
. 6	Z. D. Gilman	Pincushions Soap liniment Scissors	. 75
6 7	T) 1 1 1 TIT		6.63
	Rudolph, West & Co	Scissors	0.03
7	Rudolph, West & Co Fred A. Schmidt	Ink	4.00
	Rudolph, West & Co Fred A. Schmidt Washington Gas Light Co United States Electric Lighting Co	Ink	4. 00 23, 50
7	Woodward & Lothrop. Z. D. Gilman Rudolph, West & Co Fred A. Schmidt Washington Gas Light Co United States Electric Lighting Co do. J. R. Buckelew	Scissors Ink Gas Lighting grounds Lighting building Typewriter	4.00

Date.	Name.	Nature of payment.	Total.
1007	•		
1897. et. 12	E. Morrison Paper Co	Bands	\$34.
	do R. Carter Ballantyne	Pins Inkstand	
	R. Carter Ballantyne	Inkstand	9.
13	I. P. Roosa J. H. Brigham	Expenses Traveling expenses	19. 32.
16	M. Du Perow Western Union Telegraph Co Postal Telegraph Cable Co	Traveling expenses Telephones Telegraph servicedo Advertisingdo Envelopes Telephone rent Typewriter stand	24.
	Western Union Telegraph Co	Telegraph service	1.
90	Postal Telegraph Cable Co	do	
20	The Tribune Association	Advertising	11.
	The Inter-Ocean Publishing CoLogan, Swift & Brigham Envelope Co	Envelopes	8. 23.
22	The Chesapeake and Potomac Telephone Co. The Smith-Premier Typewriter Co. Wm. H. Galt & Co. Office Specialty Manufacturing Co. Logan, Swift & Brigham Envelope Co. LT Thompson	Telephone rent	30.
	The Smith-Premier Typewriter Co	Typewriter stand	2.
23	Office Specialty Manufacturing Co	Oats Perforator	11.
20	Logan, Swift & Brigham Envelope Co	Envelopes	16. 16.
	J. T. Thompson	Envelopes	12.
25	J. T. Thompson. Easton & Rupp Denyer and Rio Grande R. R. Co	Stationery supplies	72 36
25	Baltimore and Ohio R. R. Co	do rassenger transportation	4.
	Boston and Albany R. R. Co	do	3
	New England R. R. Co	do	. 5
0.0	Denver and Rio Grande R. R. Co Baltimore and Ohio R. R. Co Boston and Albany R. R. Co New England R. R. Co New York Central and Hudson River R. R. Co J. P. Nawrath Jas. A. Nicholson & Son Wyckoff, Seamans & Benedict do Jas. B. Lambie Frank Channon	do	10
26 28	Jas A Nicholson & Son	Stationery	22 49
ov. 1	Wyckoff, Seamans & Benedict	Taking down awnings Repairing typewriter	14
	do	Tacks	2
	Jas. B. Lambie	Tacks	2
	Frank Channon United States Express Co	Pen points Transportation Potatoes Typewriter	16
	Estler Bros. & Co.	Potatoes	2
	Estler Bros. & Co. J. R. Buckelew	Typewriter	92
	do	Letter paper Telegraph service Copying paper Traveling expenses	12
2 4	Western Union Telegraph Co	Telegraph service	$\frac{12}{12}$
5	Office Specialty Manufacturing Co	Traveling expenses	3
ŭ	W. P. Cutter J. C. Ergood & Co Wilmarth & Edmonston	Whisk brooms	6
	Wilmarth & Edmonston	Coolers, etc	17
	Washington Car Light Ca	Cooler	$\frac{2}{24}$
	E M Willis	Ice	84
6	Burrelle's Press Clipping Bureau	Clippings	20
8	Chas. Werner	Clippings. Coal Advertising	84
9	The Philadelphia Press	Advertisingdo	9
	Washington das Light Co E. M. Willis Burrelle's Press Clipping Bureau Chas. Werner The Philadelphia Press Chicago Tribune Smithsonian Institution	Transportation exchanges	56
	Adams Express Co. C. S. Kenfield.	Transportation	30
	C. S. Kenfield	Repairing clock	1
10	Rudolph, West & Co. The Irish World	Brushes, etc	5 13
10	Logan, Swift & Brigham Envelope Co	Envelopes	59
		Brushes, etc Advertising Envelopes Electric current	126
	do	do	5
11	United States Electric Lighting Codo Oanenhower & Co. W. M. Galt & Co. S. R. Richardson. Abbott Machine Co. Library Bureaudo. W. A Pate	Feed	30 56
13	S. R. Richardson	Oats Horse	135
. 16	Abbott Machine Co	Check perforator	32
	Library Bureau	Index cards	9
	W A Poto	Cards Horseshoes	6
17	Manufacturers' Record Publishing Co	Southern States Magazine	3
18	R. P. Clarke	Billiard cloth, etc	18
	R. P. Clarke Geo. F. Muth & Co The Maurice Joyce Engraving Co.	Billiard cloth, etc. Shellac Engraving	2
	R. Carter Ballantyne	Engraving	1 3
	M Dn Perow	Wire etc	3
	Western Union Telegraph Co Fred A. Schmidt	Mucilage stand Wire, etc Telegraph service. Pens	6
10	Fred A. Schmidt	Pens	144
19	Jno. C. Parker do do	Stationery supplies	144. 137.
	do	Paper.	52.
	S. J. Meeks	Repairs on wagon	61.
20	Baltimore and Ohio R. R. Co Lake Shore and Michigan Southern Rwy. Co	Paper	4.
	Lake Shore and Michigan Southern Rwy. Co		- 6.
	Chicago and Northwestern Rwy. Co Great Northern Rwy. Co Chicago, St. Paul, Minneapolis and Omaha	do	8. 4.
			5.

Date.	Name.	Nature of payment.	Total.
1897.			
Nov. 22	Curtis Guild & Co	Advertising	\$5.00
		do	4. 63
23	Capital Traction Co People's Dispatch Co.	Car tickets Transportation	41. 50
	People's Dispatch Co. C. Becker. Royce & Marean E. J. Pullman The Geo. W. Knox Express Co. Z. D. Gilman Cao. A. Sabban	Stable supplies	. 25 22. 65
	Porce & Maron	Stable supplies Electrical supplies Photographs Transportation	17. 74
Į.	E J Pullman	Photographs.	2.88
1	The Geo. W. Knox Express Co	Transportation	. 75
26	Z. D. Gilman	Prescriptions	1.00
		Lumber	5.46
29	Jno. T. Thompson	Envelopes Electrical supplies Sponges, etc Freight and drayage.	12.00
	M. Du Perow Mackall Bros. & Flemer	Electrical supplies	14. 93 15. 11
	The Geo. W. Knox Express Co	Freight and dravage	20. 02
Dec. 1	C S Braisted	Pencils	16. 05
Dec. 1	C. S. Braisted	Pencils Stamp ink Ink Soap	3. 60
	Pearre E. Crowl & Co	Ink.	6.00
	J. C. Ergood & Co	Soap	7.90
	J. R. Buckelew		5.00
	Caton Manufacturing Co Pearre E. Crowl & Co J. C. Ergood & Co J. R. Buckelew Wyckoff, Seamans & Benedict W. P. Cutter	Kepairing typewriters	1. 50
	W. P. Cutter	Repairing typewriters Traveling expensesdo	15. 80 10. 62
	C. B. Lowerdo	do	10. 62
	H. B. Nalle	Brown horse	150.00
2	Adams Express Co	Transportation	12. 28
	Adams Express Co	do	12. 28 6. 30
	Union Positio Donron and Culf Pur Co	Passenger transportation	6. 70 2. 75 16. 25
	do	dodo	2. 7
	Oregon Short Line R. R. Co	do	16. 25
	Oregon Short Line R. R. Co. Pennsylvania R. R. Co. S. P. Johnson Chas. Werner	do	10.4
	S. P. Johnson	Cangraph	87. 73 97. 73 7. 68
			7 6
3	W A Pate	Needles, etc. Electrical supplies.	5. 50
	E. M. Willis	Ice	68. 7
4	W. A. Pate E. M. Willis The J. F. W. Dorman Co.	Rubber stamp	41.00
	A. M. Farrington Mackall Bros. & Flemer J. C. Ergood & Co	Rubber stamp	3. 40 17. 75
6	Mackall Bros. & Flemer	Soap Pearline	17. 7
7	J. C. Ergood & Co	Pearline	20. 99
0	James Wilson The Columbia Rubber Works Co	Traveling expenses	140. 6
8	Chicago Indiananalic and Louisville Rwy Co	Penholders	15. 39 1. 90
	Western Union Telegraph Co	Cablegrams	2.5
	Chicago, Indianapolis and Louisville Rwy.Co Western Union Telegraph Co Rudolph, West & Co Danenhower & Co United States Electric Lighting Co	Cablegrams Wire, etc	2. 5 17. 3
10	Danenhower & Co.	Feed	54.4
	United States Electric Lighting Co	Electric lights	133.6
			10, 00
11	Andrew Geddes Albert Kahlert & Co.	Traveling expenses	3.40
13	T A Cloub	Thornolium ownoness	52. 3 12. 1
14	R Carter Rellantyne	Envelopes, baskets, etc	34. 0
1.3	Easton & Rupp	Stationery	42. 6
	Easton & Rupp E. Morrison Paper Co Rufus P. Clarke Burrelle's Press Clipping Bureau	Stationery	7. 7
	Rufus P. Clarke	Thread	8. 5
16	Burrelle's Press Clipping Bureau	Thread Clippings	20.0
17	The American Co	Advertising	4. 5
	Chadwick Book Co	Copying books	51.4
	Logan, Swift & Brigham Envelope Co	Envelopes	. 9
	do Springueid Envelope Co	do	10. 2
	Charles Werner	Coal	2.8 48.1
	Washington Gas Light Co	Gas	32, 6
	J. W. Wilson	Gas	3.1:
	C.B. Lower	dodo	5. 8
20	Springfield Envelope Co do Charles Werner Washington Gas Light Co J. W. Wilson C.B. Lower C. Becker W Du Parayy	Blankets, halters, etc	5. 8 252. 2 9. 5
21	M. Du Perow	Electrical supplies	9. 5
00	Hugh Deille	Rockaway carriage	950.0
22	W M Colt & Co	Glass	5. 0
	Hawkeye Press Clipping Press	Oats	22. 4 10. 0
23	Thos. Somerville & Sons	ClippingsVitrified brick	70.0
31	J. H. Brigham	Expenses	20.6
-1	C. Becker M. Du Perow The A. J. Joyce Carriage Co Hugh Reilly W. M. Galt & Co Hawkeye Press Clipping Bureau Thos. Somerville & Sons J. H. Brigham Hon. James Wilson	Traveling expenses	24. 0
			-1.0

14 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898. an. 3			
an. 3	Henry Fairfax	Horse	\$550. 185.
	Johnson Bros	Coal	185.
	Miller, Bryant, Pierce Co	Carbon paper	25. 60.
	H. S. Allen	Clippings	60.
	Henry Fairiax Johnson Bros Miller, Bryant, Pierce Co. H. S. Allen Caton Manufacturing Co. Office Specialty Manufacturing Co. Pearre E. Crowl & Co The J. F. W. Dorman Co. Welsbach Commercial Co. P. A. Dissupers	Coal Carbon paper Clippings Mucilage Binding cases Rubber-stamp material	9. 18.
	Poorro F Crowl & Co	Pubbon stemp meterial	
	The J. F. W. Dorman Co.	do	11. 4.
	Welshach Commercial Co	Reading lights Dictionary holder Washing towels do Ink	1.
	R. A. Dinsmore	Dictionary holder	5.
	R. A. Dinsmore Jno, D. Frazee	Washing towels	11.
	do Fred A. Schmidt	do	59. 4.
4	Fred A. Schmidt	Ink	4.
	Melville Lindsay. The Maurice Joyce Engraving Co	Packing Rubber-stamp material Passenger transportation.	11
_	The Maurice Joyce Engraving Co	Rubber-stamp material	7. 29. 21.
5	Baltimore and Ohio R. R. Co	Passenger transportation	29.
6	M. Du Perowdo. S. P. Johnson W. B. Moses & Sons Instantaneous Fire Alarm Co	Tiple of a	8.
0	do	Flastrical supplies	0.
	S. P. Johnson	Densmore typewriter	87
	W. B. Moses & Sons	Mats	3. 87. 14.
7	Instantaneous Fire Alarm Co	Rent boxes	15.
	Austin Smith E. M. Willis I. P. Roosa	Passenger transportation Horseshoes Dials, etc Electrical supplies Densmore typewriter Mats Rent boxes Blotting paper Ice Services Stationery	21.
	E. M. Willis	Ice	66. 75.
8	I. P. Roosa	Services	75.
13	Easton & Rupp	Stationery	70.
	L. F. MOSSI Easton & Rupp Jno. C. Parker do do Chas, Werner	Services Stationery Stationery supplies. Typewriter supplies. Coal Typewriter Repairing typewriter Brackets Repairing typewriter. Coaler et	218.
	Chag Warner	Typewriter supplies	87. 120.
	J P Ruckelew	Typewriter	00
15	J. R. Buckelew The Smith Premier Typewriter Co W. A. Pate Wyckoff, Seamans & Benedict	Renairing typewriter	6. 7. 12.
10	W. A. Pate	Brackets.	7.
	Wyckoff, Seamans & Benedict	Repairing typewriter	12.
		Cooler, etc	15
	w yekoff, seamans & Benedict C. R. Edmondson Washington Post Co United Typewriter & Supplies Co do Estler Bros. & Co R. P. Clark Danenhower & Co W. M. Galt & Co	Cooler, etc Subscription Ink pad and repairs Repairing typewriter	4.
	United Typewriter & Supplies Co	Ink pad and repairs	2. 1.
	do	Repairing typewriter	1.
	Estler Bros. & Co	Potatoes	1.
	R. P. Clark	Silesia	3.
	W. M. Colt & Co.	nay	30. 42.
	Pudolph West & Co	Rosine shoors ato	39.
	E Morrison Paper Co	Foolseen paper	12.
17	W. H. Morrison's Son	Books	25.
18	People's Dispatch Co.	Transportation	201
10	The Geo. W. Knox Express Co	do	2.
	United States Express Co	do	13.
	do	do	5. 159. 8.
	United States Electric Lighting Co	Electric lights	159.
	Jno. Nawrath	Twine	8.
	Jno. Underwood & Co	Ink	3.
	Chas W Tabler	Horse books	81. 15.
20	New York New Haven and Hartford P. P. Ca	Passanger transportation	15. 12.
20	Washington Gas Light Co.	Gas	42.
	Johnson Bros	Coal	42. 404.
21	C. Becker	Harness, etc	168.
	Washington Post Co United Typewriter & Supplies Co. do. Estler Bros. & Co R. P. Clark Danenhower & Co W. M. Galt & Co E. Morrison Paper Co W. M. Grate & Co E. Morrison Paper Co W. H. Morrison's Son People's Dispatch Co The Geo. W. Knox Express Co United States Express Co United States Electric Lighting Co Jno. Nawrath Jno. Underwood & Co Logan, Swift & Brigham Envelope Co Chas. W. Tabler New York, New Haven and Hartford R.R.Co Washington Gas Light Co Johnson Bros C. Becker do J. E. Bromwell & Son The Andrew J. Joyce Carriage Co Smithsonian Institution Standard Oil Co M. G. Copeland & Co Capital Traction Co Smith Premier Typewriter Co E. Morrison Paper Co I. P. Roosa Johnson Bros Maurice Joyce Engraving Co J. H. Brigham Bettie Brown Burrelle's Press Clipping Co E. Morrison Paper Co E. Morrison Paper Co Smith Premier Typewriter Co	Rubber covers, etc. Repairing ice pitcher Repairing carriage Transporting exchanges	14.
22	J. E. Bromwell & Son	Repairing ice pitcher	3.
	The Andrew J. Joyce Carriage Co	Repairing carriage	3.
	Smithsonian Institution	Transporting exchanges	4.
	Standard Oil Co	Oil	4. 8. 7. 41.
	M. G. Copeland & Co	Flag	47
	Capital Traction Co	Car tickets	90.
	E Morrison Paper Co	Rubber bands	45.
24	I.P. Roosa	oil	64
25	Johnson Bros	Wood and coal	64. 35.
20	Maurice Joyce Engraving Co	Engraving	1.
	J. H. Brigham	Traveling expenses	15.
	Bettie Brown	Custom-house charges. Wood and coal Engraving Traveling expenses. Making curtains Clippings. Rubber bands Repairing typewriter Conybodder	2.
26	Burrelle's Press Clipping Co	Clippings	20.
28	E. Morrison Paper Co	Rubber bands	25.
	Smith Premier Typewriter Co	Repairing typewriter	4.
0.4	do	Copyholder. Repairing and cleaning numbering machine.	1.
31	Pearre E. Crowl & Co	Repairing and cleaning number-	3.
		ing machine.	

ate.	Name.	Nature of payment.	Total.
1898.			
eb. 1	Library Bureau	Cards	\$1.
1	Library Bureau Springfield Envelope Co W. B. Moses & Sons. Chesapeake and Potomac Telephone Co Western Union Telegraph Co Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Michigan Central R. R. Co Montana Union Rwy. Co J. C. Ergood & Co Harris & Shafer	Envelopes	32.
2	W. B. Moses & Sons	Shades	37.
	Chesapeake and Potomac Telephone Co	Telephone service	49.
l.	Western Union Telegraph Co	Telegraph service	12.
	Pennsylvania K. K. Co	Passenger transportation	12. 21.
	Michigan Control P. P. Co	do	3.
	Montana Union Rwy Co	do	٠,٠
	J. C. Ergood & Co.	Soap and brooms	20.
3	Harris & Shafer	Repairing clocks	17.
Ü	do		6.
	R. H. Sands C. Becker	Agricultural reports	15.
	C. Becker	Stable supplies	13.
	do	Stable supplies do Hay	6.
8	Danenhower & Co. W. M. Galt & Co.	Hay	29.
	W. M. Galt & Co	Oats	30.
11	E. M. Willis Burrelle's Press Clipping Co	(Tippings	55. 20.
	Sweeper Bress Clipping Co		1.
	Sweeney Bros. Saks & Co.	Whistles	1.
	McDermott Carriage Co	Repairing carriage	17.
`12	Brill & North	Typewriter keys	3.
14	Saks & Co. McDermott Carriage Co Brill & North United States Electric Lighting Co do. Rudolph, West & Co Chas. Werner Thos. Somerville & Sons	Whistles Repairing carriage Typewriter keys Lights for grounds and buildings.	160.
	do	Lights in buildings	6.
	Rudolph, West & Co	Dustpans, etc	4.
	Chas. Werner	Coal	65.
	Thos. Somerville & Sons	Asbestus wick packing	13.
15 17		Prescriptions	1.
17	Easton & Rupp M. Du Perow Jno. C. Parker	Asbestus wick packing Prescriptions Stationery Portable lamp Manila paper, etc Traveling expenses	31. 3.
	Ino C Parker	Manila nanar ate	305.
21	W P Cuttor	Traveling expenses	17.
	Pearre E. Crowl & Co	Molding	12.
	Washington Gas Light Co		46.
23	The Okonite Co., Limited	Electrical supplies	17.
	Pearre E. Crowl & Co Washington Gas Light Co The Okonite Co., & imited Pennsylvania R. R. Co	Passenger transportation do do	12.
	Lake Shore and Michigan Southern Rwy. Co. Columbus, Hocking Valley and Toledo	do	3,
	Rwy. Co.	do	13.
	Baltimore and Ohio R. R. Co	do	13.
25	Geo. W. Knox Express Co	Transportation	-
26	Geo. W. Knox Express Co. Jno. C. Parker.	Letter files Towels and thread	82.
28	Rufus P. Clarke Geo. W. Knox Express Co Press Clipping Bureau	Towels and thread	82.
	Geo. W. Knox Express Co	Transportation	22.
4	Press Clipping Bureau	Clippings	20.
ar. 1	R. C. Ballantyne The R. R. Smith Manufacturing Co	Stationery supplies Handles for rubber stamps	77. 10.
ar. 1	The J. F. W. Dorman Co	Stamp rubber	10.
2	J. T. Walker Sons	Lime	41.
-	J. T. Walker Sons Chas, Werner Hugh Reilly Danenhower & Co	Coal	43.
	Hugh Reilly	Carolina	40.
4	Danenhower & Co	Straw and hay	54.
	Jane Hower & Co Jano C. Parker W. M. Galt & Co J. R. Buckelew Wyckoff, Seamans & Benedict Clarence E. McCoy.	Paper Oats Typewriter Repairing typewriters	8.
	W. M. Galt & Co	Oats	42.
	J. R. Buckelew	Typewriter	274.
	Wyckoff, Seamans & Benedict	Repairing typewriters	25.
5	J. H. Bunnell & Co		11.
U		Electric supplies	2.
7	Z. D. Gilman The Okonite Co., Limited		17.
	Jas. S. Topham	Hat brush	17.
	Jas. S. Topham. Geo. W. Knox Express Co. United States Electric Lighting Co.	Hat brush	27.
	United States Electric Lighting Co.	Lights for grounds and buildings.	131.
	John D. Frazee	Washing towels	27.
	John D. Frazee E. M. Willis Jas. Wilson	1ce	50.
	Jas. Wilson	Traveling expenses	52. 6.
8	W. A. Pate	Horseshoes	6.
9	W. A. Pate Postal Telegraph Cable Co J. H. Brigham Mackall Bros. & Flemer	Telegraph services	4.
9	Mackall Bros & Flamer	Traveling expenses	17.
3	do	Sponges and soon	20. 16.
		Stable supplies	24.
10	Wm. Lewis.	Renairing chairs.	1.
	T 0 T	and burning offering and a second	11.
	Jno. C. Parker	Typewriter supplies	114
10	Wm. Lewis Jno. C. Parker Jno. Underwood & Co C. S. Braisted Jno. P. Nawrath	Camphor and soap Sponges and soap Stable supplies Repairing chairs Typewriter supplies do Pencils	114. 11. 18.

16 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

	Name.	Nature of payment.	Total.
1898.			
ar. 10	A. L. Webber & Sons, branch	Alcohol	\$69.
ar r	A. L. Webber & Sons, branch	Daters	18.
11	Standard Oil Co Atchison, Topeka and Santa Fe Rwy. Co Chicago and Northwestern Rwy. Co Boston and Maine R. R. Co	Dynamo oil Passenger transportation do do	8.
14	Atchison, Topeka and Santa Fe Rwy. Co	Passenger transportation	2.
	Chicago and Northwestern Rwy. Co	do	24.
	Boston and Maine R. R. Co Wabash R. R. Cc Library Bureau Burrelle's Press Clipping Bureau Eugene M. Tilden Geo. F. Muth & Co M. Tregor & Co. Andrew J. Joyce Carriage Co Johnson Bros Jno. Underwood & Co. Adams Express Co. do	do	3.
	Wabash R. R. Co	do	7.
15	Library Bureau	Cards Clippings	3.
	Burrelle's Press Clipping Bureau	Clippings	20.
	Eugene M. Tilden	Stamp rack holders	3.
	Geo. F. Muth & Co	Bronze	1.
	M. Tregor & Co	Brushes Candles, etc Coal and wood	2.
16	Andrew J. Joyce Carriage Co	Candles, etc	3.
17	Johnson Bros	Coal and wood	1,052.
19	Jno. Underwood & Co	Ink Transportationdodo	3.
21	Adams Express Co	Transportation	1.
	do	do	28.
	do	do	102.
	W. C. Haskell	Testing scales	5.
	Harris & Shafer	Clock	8.
	do .	Testing scales Clock Coal	73.
	Washington Gaslight Co	Gas	39.
22	Sweeney & Bro	Telegraph service Pulleys, etc Stationery supplies Ribbon for dates	4.
	Western Union Telegraph Co	Telegraph service	6.
	Rudolph, West & Co	Pulleys, etc	4.
	Easton & Rupp	Stationery supplies	74.
	E. M. Tilden Baltimore and Ohio R. R. Co		
24	Baltimore and Ohio R. R. Co	rassenger transportation	10.
	Pittsburg, Cincinnati, Chicago and St. Louis	do	18.
	Rwy. Co. New York, New Haven and Hartford R. R.		
	New York, New Haven and Hartford R. R.	do	3.
	Co.		
	F. L. Evans	Traveling expenses	12.
26	Allegheny Co	Coal Rubber bands	49.
	E. Morrison Paper Co	Rubber bands	42.
	J. E. Bromwell & Sons	Repairing pitchers	
30	Jno. D. Frazee	Washing towels	16.
	J. T. Thomson	Stamping stationery. Engraved plates for stamps	16.
	F. L. Evans Allegheny Co E. Morrison Paper Co J. E. Bromwell & Sons Jno. D. Frazee J. T. Thomson Maurice Joyce Engraving Co	Engraved plates for stamps	2.
	Total third quarter	[]	7, 564.
or. 1	Office Specialty Manufacturing Co Jno. Underwood & Co Burrelle's Press Clipping Bureau	Binding cases	13.
	Jno. Underwood & Co		3.
	Burrelle's Press Clipping Bureau	Clippings	15.
	J. P. Nawrath Gustav E. Stechert	Twine	25.
	Gustav E. Stechert	Freight charges, etc., on books	11.
2	Instantaneous Fire Alarm Co	Rent boxes	15.
	D D 011	Ink Clippings Twine Treight charges, etc., on books Rent boxes Toweling Con tickets	5.
	Capital Traction Co	Cartickets	41
			41.
	Western Union Telegraph Co	Telegraph service	24.
	Western Union Telegraph Co	Telegraph service	24. 7.
6	Western Union Telegraph Co	Car tickets Telegraph service. Traveling expenses Transportation	41. 24. 7. 7.
	Western Union Telegraph Co W. P. Cutter United States Express Co do	Transportation	7. 8.
6 7	K.F. Clarke Capital Traction Co Western Union Telegraph Co W.P. Cutter United States Express Co do E. M. Willis	Transportation	7. 8. 66.
	Western Union Telegraph Co W. P. Cutter United States Express Co do E. M. Willis W. M. Galt & Co	Transportationdodo	7. 8. 66. 22
7	W. M. Galt & Co. United States Electric Lighting Co.	Transportationdodo	7. 8. 66. 22. 93.
7 8	W. M. Galt & Co. United States Electric Lighting Co	Transportationdodo	7. 8. 66. 22. 93.
7	W. M. Galt & Co. United States Electric Lighting Co	Transportationdodo	7. 8. 66. 22. 93.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albort Kohlort & Co	Transportation do Ice Oats Lighting grounds Lighting buildings Carrots Cleaning corners	7. 8. 66 22 93 43. 2.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albort Kohlort & Co	Transportation do Ice Oats Lighting grounds Lighting buildings Carrots Cleaning corners	7, 8, 66, 22, 93, 43, 2, 10, 28,
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albort Kohlort & Co	Transportation do Ice Oats Lighting grounds Lighting buildings Carrots Cleaning corners	7. 8. 66. 22. 93. 43. 2. 10. 28.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albort Kohlort & Co	Transportation do Ice Oats Lighting grounds Lighting buildings Carrots Cleaning corners	7. 8. 66 22 93 43 2. 10 28. 4.
7 8 11	E. M. Wills W. M. Galt & Co United States Electric Lighting Codo Sweeney Bros Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown	Transportationdo Ice. Oats	77 88 66 22 93 43 2. 10 28 4 38 1.
7 8 11	E. R. Willis W. M. Galt & Co United States Electric Lighting Codo Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Rossa	Transportation do Ice do Lighting grounds Lighting buildings Carrots Cleaning carpets Tumblers, etc Gas Hemming towels Sonvices	77 8. 66. 22 93 43. 2. 10 28. 4. 38. 1. 75.
7 8 	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	7 8 66 22 93 43 2 10 28 4 38 1 75
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 8. 66 22 93 43 2. 10 28 4. 38. 1. 75. 9
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 8. 666 22 93 43 2 10 28. 38. 1. 75 9. 32.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 8. 66 622 93 43 2. 10 28. 4. 38. 1. 75. 9 32. 199 8.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 8.666 622 93 43 28 4 4 4 38 1.75 9 9 32 19 8.12
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 8.666 622 93 43 28 4 4 4 38 1.75 9 9 32 19 8.12
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdodododododododighting grounds	77 666 222 93 433 433 22 10 284 38 1. 755 9. 32 19 9. 8. 12 25.
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Cododo Sweeney Bros Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa Logan, Swift & Brigham Envelope Co Johnson Bros Jno. D. Frazee R. P. Andrews & Co Adams Express Codododo	Transportationdo loedo loe	77 866 222 93 43 2 10 10 10 28 4 4 38. 75 9 9 32 19 8 8. 12 25 17 6
7 8 11 13 14 15 16	E. M. Wills W. M. Galt & Co United States Electric Lighting Cododo Sweeney Bros Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa Logan, Swift & Brigham Envelope Co Johnson Bros Jno. D. Frazee R. P. Andrews & Co Adams Express Codododo	Transportationdo loedo loe	77 866 22 93 43 43 2 10 28 4 4 38 17 75 9 32 19 8 11 12 25 17 6
7 8	E. M. Wills W. M. Galt & Co United States Electric Lighting Cododo Sweeney Bros Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa Logan, Swift & Brigham Envelope Co Johnson Bros Jno. D. Frazee R. P. Andrews & Co Adams Express Codododo	Transportationdo loedo loe	77 866 22 93 43 43 2 10 28 4 4 38 17 75 9 32 19 8 11 12 25 17 6
7 8 11 13 14 15 16	E. M. Wills W. M. Galt & Co United States Electric Lighting Co do Sweeney Bros. Albert Kahlert & Co Danenhower & Co Wilmarth & Edmonston Washington Gaslight Co Miss Bettie Brown I. P. Roosa.	Transportationdo loedo loe	77 866 222 93 43 2 10 10 10 28 4 4 38. 75 9 9 32 19 8 8. 12 25 17 6

Date.	Name.	Nature of payment.	Total.
1898.			
pr. 19	J. F. W. Dorman Co	Pads	\$1.8
-P	T- o D Morrooth	Twine	12.2
20	Jno. C. Parker	Stationery supplies	432.7
	Jno. C. Parkerdo. Geo. W. Knox Express Co	Typewriter supplies. Typewriter supplies. Transportation do do Compression bibbs.	57.4
	Geo. W. Knox Express Co	Transportation	43.3
22			33. 9
	The Conserving Sons	Compression hibbs	4. 7 9. 9
	Thos, Somerville & Sons. Maurice Joyce Engraving Co	Engraving	1, 5
	The McDermott Carriage Co	Conna shafts etc	12. 0
	C. Becker	Coupe shafts, etc. Stable supplies Coal Naphthaline	14.0
	Chas. Werner	Coal	41. 2
	Z. D. Gilman	Naphthaline	2.0
	E. Morrison Paper Co	Bands	43.9
	Rudolph, West & Co	Wire nails	. 3
23	Chas. Werner Z. D. Gilman E. Morrison Paper Co. Rudolph, West & Co. C. S. Braisted J. R. Buckelew	Pencils Typewriter	7.6
25	J. R. Buckelew	Typewriter	92. 2
		Typewriting ribbons	5.0
	Orndorff & Truxton Wyckoff, Seamans & Benedict	Scale	95. 0
	Wyckoff, Seamans & Benedict	Repairing typewriters	9. 2
	Chesapeake and Potomac Telegraph Co	Repairing typewriters. Telegraph rent. Stationery supplies.	62. 5
1	Chastor & Rupp United States Express Co. Burrelle's Press Clipping Co. Pearre E. Crowl & Co. Chadwick Copying Book Co. Schoudan & Harris.	Stationery supplies Transportation Press clippings Daters and pads Copying books Shoeing horse	63.3 11.9
30	Purrelle's Press Clipping Co	Proce clippings	15. 0
50	Poorre F Crowl & Co	Daters and pade	4.8
	Chadwick Copying Book Co	Conving books	51. 4
Iay 2	Schoudan & Harris	Shoeing horse	1. 5
	W. A. Pate	Horseshoes	6.7
	Melville Lindsay	Hoes	4.0
3	Smithsonian Institution United States Electric Lighting Co	Transportation exchanges Use of arc lamps	16. 2
5	United States Electric Lighting Co	Use of arc lamps	90.0
	Ernest Betz	Electric current	32. 7
	Ernest Betz	Repairing stove	. 5
	Z. D. Gilman Mackall Bros. & Flemer	Prescription	1. 2
	Mackall Bros. & Flemer	Brushes, etc	31. 4
	Rudolph, West & Co	Scrub brushes, etc	20, 4
	E. M. Willis J. T. Thomson Harris & Shafer	Ice.	67.3
6	Harris & Shafor	Engraving, etc	11. 0 4. 2
7	Peter Hager	Horseshoes	6. 2
9	Washington Gas Light Co	(÷98	33, 3
	Riley & Walker.	Wooden tags	7.5
	Geo. W. Knox Express Co	Transportation	3.8
17	Peter Hager Washington Gas Light Co Riley & Walker Geo. W. Knox Express Co William Lewis	Wooden tags Transportation Repairing chairs	1.0
	W. B. Moses & Sons W. M. Galt & Co.	Feather dusters	8. 4
	W.M. Galt & Co.	Feed	45, 0
	F. P. May & Co	Hardware. Coach candles.	6, 2
0.0	F. P. May & Co. Andrew J. Joyce Carriage Co.	Coach candles	1.5
20	U. S. Braisted	Pencils	21. 8
	Cuton Manufacturing Co	Clippings Mucilage Rubber bands Coal	10.0
	E Marrison Paper Co	Rubber bonds	2.3
	Chas Werner	Cool	8. 6 58, 0
	Caton Manufacturing Co E. Morrison Paper Co Chas. Werner Capital Traction Co Johnson Bros.	Car tickets	41.5
	Johnson Bros	Car tickets Coal	101. (
21	Yawman & Erbe Manufacturing Co	Paner	6. 0
25	Yawman & Erbe Manufacturing Co Florence Lower.	Paper	4. 0
26	Chicago, Rock Island and Pacific Rwy. Co Baltimore and Ohio R. R. Co	Passenger transportation	25. 4
	Baltimore and Ohio R. R. Co	do	10.0
		do	8. (
28	Adams Express Co	Transportation	11.8
	United States Express Co	do	8.8
une 2	Durrelle's Press Clipping Co	Clippings Rubber stamps Advertising .do	15. (
	Sup Printing and Pall' 12 G	Kubber stamps	41.0
	Tribune Co. (Chicago)	Auverusing	32.0
	Chas C Fulton & Co	do	25. 5
6	E M Willie	rae	9. (
. 0	Adams Express Co. United States Express Co. Burrelle's Press Clipping Co. J. F. W. Dorman Co. Sun Printing and Publishing Co. Tribune Co. (Chicago). Chas. C. Fulton & Co. E. M. Willis. United States Electric Lighting Co.	Lighting grounds and buildings	83.0
			122. 5
	Z. D. Gilman Mackall Bros. & Flemer The Washington Post Co	Prescription Borax and sponges	5. 2
	The Washington Post Co	Advertising	12. 2
	The Washington Post Co. J. R. Buckelew R. C. Ballantyne	Advertising Letter paper Stationery supplies Shoeing horses.	4. 2
	R. C. Ballantyne	Stationery supplies	20. 2
	Schoudan & Harris Harris & Shafer	Shoeing horses. Repairing clock Feed.	1. 8

Date.	Name.	Nature of payment.	Total.
1898.			
June 6	Postal Telegraph Cable Co	Telegraph service	\$1.
	do	do	\$1. 1.
8	Ino C Doulton	do	106.
0	do	Stationery supplies Typewriters supplies Potatoes	66.
	Estler Bros. & Co	Potatoes	1.
9	Estler Bros. & Co W. P. Cutter W. M. Galt & Co Easton & Rupp W. H. Veerhoff Elwood Mead Adams Express Co. Jno. D. Frazee Johnson Bros	Traveling expenses. Oats Stationery Picture frames	16.
_11	W. M. Galt & Co.	Oats	30.
	Easton & Rupp	Stationery	22.
13	W. H. Veerholl	Traveling expenses	2. 139.
10	Adams Express Co	Traveling expenses Transportation Washing towels Wood Repairs to carriage Gas Advertising Envelopes Sanshade Telegraph service do Repairing chairs Cotton waste	13.
14	Jno. D. Frazee	Washing towels	32.
		Wood	32.
	McDermott Carriage Co	Repairs to carriage	4. 34.
15	Washington Gas Light Co	Gas	34. 12.
19	Washington Gas Light Co. New York Press Co., Limited Logan, Swift & Brigham Envelope Co	Envelopes	19.
16	Andrew J. Jovee Carriage Co.	Sunshade	3.
-	Andrew J. Joyce Carriage Co	Telegraph service	3.
	do	do	4.
	W. B. Moses & Sons	Repairing chairs	1.
17	Rudolph, West & Co	Cotton waste	28.
17 18	western Union Tetegraph Codo. dow. B. Moses & Sons Rudolph, West & Cowm. Lewis W. A. Pate Wyckoff, Seamans & Benedictw. Dp. Perow	Cotton waste Repairing chairs Nails Repairing typewriters	1.
10	Wyckoff, Seamans & Benedict	Revairing typewriters	4. 4.
	M. Du Perow	Electric supplies	4.
	M. Du Perowdo	Electric supplies	2.
20	H. S. Allen	Press clippings	16.
22 23	H. S. Allen Springfield Envelope Co Mackall Bros. & Flemer	Manna envelopes	12.
27	S. J. Haislett.	Putting up awnings	9. 27.
	Total for fourth quarter	-	3, 645.
	Supplemental.	l of	
uly 1	Burrell's Press Clipping Burean	Clippings	15.
2	J. C. Ergood & Co People's Dispatch Co Fred. A. Schmidt W. A. Pate.	Soap and brooms Transportation Pencils Horseshees	29.
	People's Dispatch Co	Transportation	1.
	W A Poto	Horseshoe	11. 3.
		Advertising	8
	S. J. Haislett. United States Express Co. J. F. W. Dorman Co. Albert Kahlert & Co.	Advertising Putting up awnings Transportation Daters	3.
6	United States Express Co	Transportation	10. 18.
7	J. F. W. Dorman Co	Daters	
8	Albert Kahlert & Co		47. 105.
9	E. M. Willis. Geo. W. Knox Express Co W. M. Galt & Co. W. B. Moses & Sons	Drayage	100.
13	W. M. Galt & Co	Feed	1. 34.
	W. B. Moses & Sons		5.
	Z. D. Gilman	Recipes, etc	4.
	Jno. D. Frazee Wilmarth & Edmondson	Recipes, etc. Washing towels Glasses	18.
14	W 4 Pata	Horseshoes	6.
	W. A. Pate Rudolph, West & Co. Easton & Rupp. Chas. R. Edmonston	Hardware	3.
	Easton & Rupp	Stationery	7. 1.
	Chas. R. Edmonston	Can, etc	1.
	Danenhower & Co	Hay Electric lights Horseshoes Services	29.
	United States Electric Lighting Co	Hereadage	136.
16	Chesaneake and Potomac Telegraph Co	Services	1. 63.
10	Danenhower & Co United States Electric Lighting Co Schondan & Harris Chesapeake and Potomac Telegraph Co Washington Gas Light Co.	Gas	27.
18	Jas. H. Thompson	Hire of horse	12.
	Maurice Joyce Engraving Co	Hire of horse. Engraving. Clippings.	1.
19	Burrell's Press Clipping Bureau	Clippings	2.
	Instantaneous Fire Alarm Co	Rent of hox	7. 15.
23	Caton Manufacturing Co	Tnk	1.
25	Maurice Joyce Engraving Co. Burrell's Press Clipping Bureau. American Type Founders Co. Instantaneous Fire Alarm Co. Caton Manufacturing Co. Mackall Bros. & Flemer	Type Rent of box Ink Soap	12.
	C. Becker Jno. C. Parker do Western Union Telegraph Co	Whip, etc. Stationery. Copyholder Telegraph service	7.
	Jno. C. Parker	Stationery	7. 17. 12.
9.0	(lo	Copyholder	12. 19.
26	western Union Telegraph Co	Telegraph servicedo	19.
27	do Pennsylvania R. R.Co. I. P. Roosa. do	Passenger transportation	10.
	T D Desert	Salary Expenses	75.
	T. D. Dieser	Salary	

CONTINGENT EXPENSES-Continued.

Date	. Name.	Nature of payment.	Total.
1898 July 2	7 Postal Telegraph Cable Co. Hugh Reilly C. C. Van Horn Wyckoff, Seamans & Benedict do. Smith Premier Typewriter Co	Glass Lamp shade Repairs to typewriterdodo	3. 95 . 30 . 50 . 60 1. 75
1 1 2	2 Geo. W. Knox Express Co.	Transportationdodo Mucilage stands Transportation of exchanges Transportation Telegraph services do do	. 88 5. 20 1. 58 5. 35 1. 12 1. 40 54. 21 26. 28
Oct.	6 Western Union Telegraph Co	Clippings Passenger transportation. Repairs to typewriter Services Transportation A wning Telegraph service Transportation.	16. 00 3. 44 . 50 75. 00 3. 30 2. 00 29. 18
	Total		1, 106. 71

RECAPITULATION.

First quarter	\$4,087.76
Second quarter.	5, 460. 13
Third quarter	7, 564, 27
Fourth quarter	3, 645. 25
Supplemental	1, 106. 71
-	
Total	21, 864. 12

ANIMAL QUARANTINE STATION.

Date.	Name.	Nature of payment.	Total.
1897. July 31 Aug. 3 4 5 7 12 20 21 24 25 Sept. 3 10 17 20	W. B. E. Miller W. H. Wade R. S. Luqueer Co. (Incorporated) D. Cumming Otto Lane J. H. Linehando H. D. Mayne. J. J. D. B. Hopper et aldo Harry F. Hume Chas. E. Parker The Anderson Lumber Co Eugene J. Riester H. D. Mayne W. B. E. Miller et al Wm. H. Wade Harry F. Hume W. B. E. Miller H. D. Mayne J. H. Linehan D. Cumming H. D. Mayne J. H. Linehan D. Cumming H. D. Mayne Donald Fraser Total first quarter	do Harness Services Thermometers Salary Traveling expenses Salary Lumber Stable rent Traveling expenses Salary O Traveling expenses Lumber Stable rent Traveling expenses Salary do Traveling expenses Salary Horseshoes	\$49. 46 75. 80 31. 00 55. 00 3. 60 101. 10 2. 25 101. 10 2. 29 2. 20 17. 49 239. 10 45. 00 17. 49 239. 10 75. 80 1. 30 101. 10 80. 00 7. 76 2. 00 1. 524. 27
Oct. 1	Joseph Hawkins J. H. Linehan	Services	28. 00 5. 00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

ANIMAL QUARANTINE STATION—Continued.

Dat	e.	Name.	Nature of payment.	Total.
189 Oct.	7.	E. J. Riester	Stable rent	\$10.00
		do	do	10.00
	6	do	Salary	10.00 21.00
	0	Wm. H. Wade	do	73.40
	- 1	Wm. H. Wade W. E. B. Miller et al.	Pay roll.	231.80
	- 9	D. Cumming Chas. E. Parker	Salary Services	80.00
	11	Tog Hambing	Salary	5. 00 72. 00
	18	Campbell, Morrell & Co. J. H. Linehan H. D. Mayne	Feed	31, 97
		J. H. Linehan	Salary	97. 80 97. 80
		H. D. Maynedo	Traveling expenses	97. 80 15. 39
	20	W. B. E. Miller	do	2. 45
	22	W. B. E. Miller. J. A. Harwood, estate of	Rent landdo	62.50
		Garneid Land Association	do	300.00
		Real Estate Improvement Co	Stable supplies	56. 25 4. 30
	23	G. T. Zabriskie Bergen County Democrat W. B. E. Miller et al	Advertising	2.00
Nov.	3	W. B. E. Miller et al	Pay roll, Garfield, N. J	239. 10
	6	H. F. Hume	Stable supplies Advertising Pay roll, Garfield, N. J Salary	21.00
	9	W. H. Wade	Thermometers	75. 80 10. 00
	0	Z. D. Gilman Joseph Hawkins J. H. Linehan	Services	36.00
	13	J. H. Linehan	Salary	101.10
			do	101.10
	16	D. Cumming Chas. Hubinger H. D. Mayne	do	101. 10
	10	H. D. Mayne	Traveling expenses	7. 50 8. 14
		W. B. E. Miller	do	3.00
	18	David Henry	Troughs Stable rent	34. 50
	20	Thos. Erwin Arthur Cantwee	Stable rent	3. 50 3. 00
		S W Paige	(l0	4, 00
Dec.	4	Wm. H. Wade	Salary Pay roll, Garfield, N. J.	73.40
	4.0	W. B. E. Miller et al	Pay roll, Garfield, N. J.	231.80
	10	Wm. H. Wade. W. B. E. Miller et al Harry F. Hume. E. D. Scofield et al	Salary Pay roll, Garfield, N. J	21. 00 75. 00
	11	A. M. Farrington	Traveling expenses	22. 40
	14	A. M. Farrington Joseph Hawkins W. B. E. Miller D. Cumming	Services	52,00
	16	W. B. E. Miller	Traveling expenses	6. 27
		H. D. Marra	Services Salary	110.00 97.80
		dodo.	Traveling expenses	12.65
	23	H. D. Mayne do John Sheeran W. B. E. Miller	Horseshoeing Expenses	2.00
		W. B. E. Miller	Expenses	9. 55 97. 80
		J. H. Linehan	Salary	91.80
		Total second quarter		2, 786. 07
1898				
Jan.	8	D. Cumming W. E. B. Miller et al.	Pay roll Garfield N. T	90.00 239.10
		W. E. B. Miller et al.	Expenses.	18. 01
		Anderson Lumber Co	Fence posts	40.00
	11	J. H. Linehan	Salary Pay roll, Garfield, N.J. Expenses Fence posts Salary Rent of stables	101. 10
	11	S. W. Paige	Rent of stablesdo	4.00 5.00
		S. W. Faige Jos. Coogan C. D. Nelson Harry F. Hume Wm. H. Wade	do	3.50
	15	Harry F. Hume	Labor	21.00
		Wm. H. Wade	Salary	75.80
	17	H D Mayne	Salarydodo	44.00 101.10
	11	do.	Traveling expenses	8.90
	19	wm. H. wade. Jos. Hawkins H. D. Mayne do. Real Estate and Improvement Co.	Rent land	56, 25
	21		Traveling expenses	2. 45 7. 00
	25	Peter Reed	do	7.00
,	26	New York and New Jersey Telephone Co.	Telephone service	18, 75
		New York and New Jersey Telephone Codo	do	18.75 2.00
	01	R. O. Hasbrouck & Son Estate of J. A. Harwood	Horseshoes	2.00 62.50
Feb.	31		Pay roll, Garfield, N. J.	244, 60
1.00.		Wm. H. Wade	Salary	77. 50 21. 00
	9	Wn. H. Wade. Harry F. Hume H. D. Mayne	Labor	21.00
	$\frac{14}{17}$			103.30 5.02
	11	D. Cumming Joseph Hawkins	Traveling expenses Salary do	45.00
		Joseph Hawkins	do	28.00

ANIMAL QUARANTINE STATION—Continued.

Da	ate.	Name.	Nature of payment.	Total.
10	98.			
Feb		J. H. Linehan	Salary	\$103.30
	28	G. H. Linenain W. B. E. Miller Chas. Hubinger W. H. Wade W. B. E. Miller et al Garfield Land Association	Salary Traveling expenses Repairing fence	2. 20 13. 76
Mar		Chas. Hubinger	Repairing fence	13.76
	4	W. H. Wade	Salary Pay roll, Garfield, N. J.	70.00 220.80
	7	Garfield Land Association	Land rent.	300.00
		H. F. Hime	Lapor	18, 00
		H. D. Mayne D. Cumming	Salary	93.40
	11	D. Cumming	do	75.00
		J. H. Linehan Joseph Hawkins	do	93, 40 36, 00
	12	H. D. Mayne	Traveling expenses	5. 34
	14	W. B. E. Miller A. W. Norbeck & Co	Repairs	3.00
	19	A. W. Norbeck & Co	Repairs	85. 10
	00	R. J. O'Brien	Feed	47. 42
	23	Howard Wilson	Stable rent	5.00
		Total third quarter		2, 622. 35
1		W. D. E. Miller et al.	Description of the state of the	
Apr	, 5	W. B. E. Miller et al	Pay roll, Garfield, N. J.	244. 60 77. 50
	8	H. F. Hume	Labor	19.50
	14	D. Cumming H. D. Mayne	Salarydo	90.00
		H. D. Mayne	do	103.30
		J. H. Linehan	do	103. 30
	15	Jos. Hawkins. Real Estate and Improvement Co	Rent land	60.00 56.25
	19	H. D. Mayne	Traveling expenses	8. 32
	23	Chas. Hubinger	Spiles poils etc	8. 25
		R. O. Hasbrouck & Son	Horseshoes Cylinder caps and valves	2.00
		J. H. Remig	Cylinder caps and valves	6.00
May	5	J. A. Harwood		62. 50 234. 00
may		W. B. E. Miller et al W. B. Moses & Sons	Desks and chairs	27. 93
	6	D Cumming	Salary	80.00
		Joseph Hawkins	do	48.00
	18	Wm. H. Wade Harry F. Hume	do	74. 20
	10	H D Mayne	do	19. 50 98. 90
		H. D. Mayne J. H. Linehan	do	98. 90
	19	W. B. E. Miller	Traveling expenses	4.15
		H. D. Mayne	do	6.42
	23	W. B. E. Miller Walworth Construction and Supply Co	Expenses	6. 10
	31	John Robinson	Renairing fence	2. 48 7. 50
Jun	e 6	John Robinson W. B. E. Miller et al.	Repairing fence	242. 00
		W. H. Wade	Solory	76.60
	7	D. Cumming H. D. Mayne W. B. E. Miller	dő	45.00
	8 16	W B F Miller	Traveling expenses	102. 20 5. 10
	10	do	Expenses	4. 05
		H. D. Mayne	Traveling expenses	9.12
		H. F. Hume	Salary	18.00
	20	Joseph Hawkins J. H. Linehan	do	52.00
	21	S. M. Birch	Fence posts and rails	102. 20 59. 10
	25	New York and New Jersey Telephone Co	Telephone rent	21.85
		S. M. Bfrch New York and New Jersey Telephone Codo. Garfield Land Association	do	9.75
		Garneid Land Association	Land rent	450.00
		Total fourth quarter		2,746.57
		Supplemental.		
July	7 5	Wm. H. Wade	Salary	74. 20
	6	H. D. Mayne	do	98. 90
	_	W R E Miller et al	Pay roll, Garfield, N. J. Rent of land	234.00
	7 8	Real Estate and Improvement Co	Rent of land	56. 25
	18	Real Estate and Improvement Co Harry F. Hume Estate of J. A. Harwood Garfield Land Association	Salary Rent of landdo	22. 50
	19	Garfield Land Association	do do land	62.50 450.00
	20	H. D. Mayne.	Traveling expenses	1. 92
		J. H. Linehan	Salary	98. 90
		W. B. E. Miller G. T. Zabriskie	Traveling expenses	1.55
		G. T. Zabriskie Jno. Sheeran	Sponge, etc	1.90
		v mor buttottall	bhoeing horse	5.50

ANIMAL QUARANTINE STATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898. July 22 Oct. 3	Supplemental—Continued. D. Cumming. Joseph Hawkins Daniel Frazer New York and New Jersey Telephone Co Total		\$45.00 32.00 2.00 23.85 1,210.97
First qua Second q Third qu Fourth q Suppleme	rter		\$1, 524, 27 2, 786, 07 2, 622, 35 2, 746, 57 1, 210, 97
Tot	al		10, 890. 23

COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total,
1897.		~	
uly 31	C. W. Dabney, jr., et al.	Salaries	\$6, 287.
ug. 2	E.T. Peters Robt. H. Troy	Saiary	147. 100.
7	Henry Hawkins	do	20.
•	W. H. Pleasants		20.
	J. L. Cantwell		20.
	Earl Sloan		20.
	L. M. Erskine	do	50.
	L. M. Watkins	do	75.
13	W. O. H. Shepard	do	20.
	L.C. Dorgan, jr	do	25.
20	Library Bureau	Book brace	13.
25	Logan, Swift & Brigham Envelope Co	Envelopes	171.
0.4	do	do	52.
31	C. W. Dabney, jr., et al.	Salaries	5, 730. 143.
ept. 3	E.T. Peters L. M. Watkins		75.
4	L. M. Erskine		50.
	Robt, H. Trov		100.
	Henry Hawkins.	do	20.
8	Lyman C. Dorgan, jr.	do	25.
Ü	W. H. Pleasants	do	20.
10	J. C. Cantwell		20.
18	W. O. H. Shepard	do	20.
21	The White Corbin & Co	Envelopes	280.
30	Arthur L. Perry	Services	375.
	E. F. Smith		375.
	F. V. Delatush	do	300.
	Harry O. Garvey	do	300. 250.
	J. Q. Smith	do	250. 250.
	W. C. Duncan R. W. Furnace		250.
	R. F. Connor		250.
	W. J. Northern		250.
	Jas. H. Lane.		250.
	W. A. Withers	do	225.
	S. S. Neely		225.
	W. A. Sherman	do	225.
	C. D. Schmidt		225.
	L. M. Fay	do	225.
	Allen Blacker	do	225.
	F. E. Carstarphen		225.
	M. E. Marsh		200. 200.
	S. R. Davis		180.
	Nathan Pratt	do	180.
	R. W. Buenanan R. H. Troy	do	100.
	E. T. Peters	do	150.
	C. W. Dabney, jr., et al.	Salaries	5, 254.
	O. 11 . Daoney, Jr., 60 at	Netter 100	
	Total first quarter		24, 197.
	Total High dam on sessessing	_	

COLLECTING AGRICULTURAL STATISTICS-Continued.

Date.	Name.	Nature of payment.	Total.
1007			
1897. Oct. 1	Library Bureau	Card-index case, etc	\$150.30
	John C. Parker	Mimeograph ink	4.70
4	Library Bureau John C. Parker do L. M. Watkins L.M. Erskine	Salary	4.70 2.25 75.00
5	L. M. Erskine	do	50.00
0	W. H. Pleasants	do	20.00 20.00
8	W. O. H. Shepard	do	20.00
9	L. M. Erskine W. H. Pleasants Jno. L. Cantwell W. O. H. Shepard L. C. Dorgan, jr	do	25. 00
21 26	Henry Hawkins	Envelopes	20, 00 331, 50
20	do	do	314.02
30	L. C. Dorgan, Jr. Henry Hawkins. Springfield Engraving Codo. C. W. Dabney, jr. H. T. Newcomb et al. F. T. Pottore.	Salary	168. 50
Nov. 1	H. T. Newcomb et al.	Salary	5, 213. 56 147. 00
4	L. M. Watkins Springfield Envelope Co.	Manila envelopes	75. 00 274. 56
_	Springfield Envelope Co	Manila envelopes	274. 56 20. 00
5	L. M. Erskine	do	50.00
	Henry Hawkins.	do	20.00
8	R. H. Troy	dodo	100.00 20,00
10	L. C. Dorgan, jr	do	25, 00
	Springfield Envelope Co. W. H. Pleasants L. M. Erskine Henry Hawkins. R. H. Troy J. L. Cantwell L. C. Dorgan, jr. Springfield Envelope Co. Logan, Swift & Brigham Envelope Co. W. O. H. Shepard D. W. Stier R. Carter Ballantyne J. C. Parker C. W. Dabney, jr. R. H. Troy R. H. Troy H. T. Newcomb et al E. T. Peters L. M. Watkins. W. H. Pleasants	Envelopes, manila	675.84
11	W.O. H. Shepard	Sajary	19. 20 20. 00
17	D. W. Stier	do	123, 91
18	R. Carter Ballantyne	File	. 53 2. 50
19 30	C. W. Dabney ir	Salary	163.00
00	R. H. Troy	do	100.00
Dec. 1	H. T. Newcomb et al.	Salaries	4, 975. 62
Dec. 1	L. M. Watkins	Salarydo	133. 00 75. 00
	W. H. Pleasants	do	20.00
. 4	Henry Hawkins	do	20.00 15.00
Ī	Howard Barrels & Co L. M. Erskine Jno. L. Cantwell W. O. H. Shepard Lyman C. Dorgan, jr The White Corbin & Co.	Daily Trade Bulletins	50.00
9	Jno. L. Cantwell	do	20.00
16	Lyman C Dorgan ir	do	20.00
17	The White Corbin & Co	Envelopes	25. 00 391. 50 24. 86
31	Maurice Joyce Engraving Co	Engraving	24. 86
91	The White Corbin & Co. Maurice Joyce Engraving Co Robert H. Troy Chas, W. Dabney, jr Edw. F. Smith A. L. Perry. Harry O. Garvey F. V. Dilatush. W. J. Northen R. F. Connor J. H. Lane	Satary	100, 00 168, 50
	Edw. F. Smith	Services	375.00 375.00
	Harry O Garvey	do	375.00 300.00
	F. V. Dilatush	do	300.00
	W.J. Northen	do	250, 00
	J. H. Lane	do	250, 00 250, 00
	J. Q. Smith	do	250.00
	J. Q. Smith R. W. Furnas W. C. Duncan	do	250. 00 250. 00
	Allen Blacker F. E. Carstarphen S. S. Neely L. M. Fay C. D. Schmitt W. A. Withous	do	225, 00
	F. E. Carstarphen	do	225, 00
	L. M. Fay	do	225, 00 225, 00
	C. D. Schmitt	do	225.00
	W.A. Withers	do	225, 00
	W. A. Withers W. A. Sherman M. C. Marsh	do	225. 00 200. 00
	S. R. Davis	do	200.00
	R. W. Buchanan	do	180. 00 180. 00
	Nathan Pratt R. W. Buchanan Harry T. Newcomb et al E. T. Peters	Salaries	5, 213, 76 136, 50
	E. T. Peters	Salary	136, 50
	Total second quarter		24, 825. 11
1000			
1898. Jan. 3	Earle Sloan	Services	5.00
0 1111	do. L. M. Watkins	do	100.00
5	L. M. Watkins Geo. R. Holmes	Traveling expenses	75.00
8	W. H. Pleasants	Salary	21. 42 20. 0 0
	W. H. Pleasants Henry Hawkins	do	20.00

24 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

COLLECTING AGRICULTURAL STATISTICS-Continued.

)a1	e.	Name.	Nature of payment.	Total
.89	8.			
n.	8	L. C. Dorgan, jr	Salary	\$25
	0	Earle Sloan	do	25
		Earle Sloan L. M. Erskine	do Typewriter paper Salary do	50
	13	Ino C. Parker	Typewriter paper	52
	15	Jno. L. Cantwell. W. O. H. Shepard.	Salary	2
	18	W. O. H. Shepard	do	20
	31	Robt. H. Troy do The Randolph Paper Box Co	do	3: 50
	-	do	do	5
		The Randolph Paper Box Co	Boxes	1
		E. T. Peters	Solary	14
		E. T. Peters Harry F. Newcomb et al	Salaries Cards, etc Traveling expenses Salary	5, 40
).	1	Library Bureau :	Cards, etc	
	$\frac{1}{2}$	Library Bureau : Max West L. M. Watkins	Traveling expenses	7
	5	L. M. Watkins	Salary	7
	9	W. H. Pleasants	do	2
		L. M. Erskine	do	5
		Jno. L. Cantwell	do	2
	11	Nathan Pratt	do	1
		C. D. Schmitt.	do	1
		L. C. Dorgan, jr	do	2
		R. W. Buchanan	do	1
	12	Henry Hawkins	do	2
		L. M. Fay	do	1
		W. H. Pleasants L. M. Erskine Jno. L. Cantwell Nathan Pratt C. D. Schmitt L. C. Dorgan, jr R. W. Buchanan Henry Hawkins L. M. Fay E. T. Smith R. F. Connor	do	2
	14	R. F. Connor. W. O. H. Shepard. Jno. C. Parker.	do	1
	15	W. O. H. Shepard	do	2
	17	Jno. C. Parker	Record book	8
	21	J. Q. Smith Logan, Swift & Brigham Envelope Co	Salary	8
	00	Logan, Switt & Brigham Envelope Co	Envelopes Passenger transportation	22
	23	Pennsylvania R. R. Co New York, New Haven and Hartford R. R. Co. New York Central and Hudson River R. R. Co.	Passenger transportation	1
		New York, New Haven and Hartford R. R.Co.		
	28	D H Thor	Salary	7
	28	R. H. Troy Milo E. Marsh	Salarydo	4
		T T Dators	do	14
		Harry T Newcomb at al	Salaries	4 94
r.	1	I noine M. Wotking	Salary	4, 84
1 .	4	E. T. Peters Harry T. Newcomb et al Lucius M. Watkins L.M. Erskine	do	5
	5	W. H. Pleasants.	do	2
		Jno. L. Cantwell	do	$\tilde{2}$
		Earle Sloan	do	5
	7	Earle Sloan Springfield Envelope Co.	Manila envelopes	82
		dő	do	46
		do	do	7
	- 1	do L. C. Dorgan, jr Henry Hawkins	do	6
	9	L. C. Dorgan, jr.	Salary	2
		Henry Hawkins	do	2
		S S NOOLY	do	1
	10	Library Bureau	Cards	19
	11	W.O.H. Shepard	Salary	2
	15	Library Bureau	Cards	2
	21	Library Bureau W.O. H. Shepard Library Bureau Adams Express Co.	Cards Transportation	
	23			4
	31	Joseph A. Beal E. C. Hutchinson Jno. T. Cox	Services	4
		E. C. Hutchinson	do	4
		Jno. T. Cox.	do	4
		R. H. Thomas Jno. J. Rosa	do	5
		Jno. J. Kosa	do	6
		Wm. Nelson. Homer W. Vail. Edward Wiggins.	do	6
		riomer w. Vail.	00	7
		Edward Wiggins		
		E. D. HOWE.	00	70
		O.A. Tillingnast		70
		T. A. Haydon	do	7
		E. D. Howe. J. A. Tillinghast C. L. Gold J. A. Hayden T. H. Reeves F. E. Carstarphen	do	8.
		F Constanton	do	120
		Coo Husmann	do	
		W A Withorg	do	13: 13:
		Geo. Husmann W. A. Withers W. A. Sherman	do	13.
				144
		W I Northen	do	156
		Honny O Convoy	do	183
		S P Dovis	do	200
		M. J. Northen. Harry O. Garvey S. R. Davis. R. W. Furnas.	do	200
		Allen Blacker	do	220
		ALLOH DIRUKUL		250

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. COLLECTING AGRICULTURAL STATISTICS—Continued.

Dat	Name.	Nature of payment.	Total.
1898			40
Mar.	F. V. Dilatush H. T. Newcomb et al	Services Salaries	\$300.00 5, 213.50
	Total third quarter		21, 907. 07
Apr.	1 R. H. Troy	Salary	75.00
	L. M. Watkins	do	75.00
	2 Library Bureau	Cards	19.80 77.76
	Western Union Telegraph Co	Telegraph service	6. 71
	5 Earle Sloan	Salary	25. 00
	W. H. Pleasants	do	20.00 20.00
	L. M. Erskine	do	50,00
	6 E. T. Peters 8 L. C. Dorgan, jr	do	161. 00 25. 00
	J. L. Cantwell W. H. Pleasants L. M. Erskine E. T. Peters L. C. Dorgan, jr Henry Hawkins W. O. H. Shepard E. Morrison Paper Co. J. C. Parker	do	20,00
	6 W. O. H. Shepard	Manila anyelenes	20.00
	J. C. Parker	Stationery supplies	41. 08 15. 55
	do	Stationery supplies Comboline for mimeograph Envelopes Paper and letterpress	. 50 89. 40 247. 90
	19 Logan, Swift & Brigham Envelope Co 22 J. C. Parker	Paper and letterpress	247. 90
`	30 H. T. Newcomb et al.	Salaries	5, 065. 20
May	R. H. Troy L. M. Watkins	Salary	75. 00 75. 00
шау	J. C. Parkerdo 19 Logan, Swift & Brigham Envelope Co 21 J. C. Parker 10 H. T. Newcomb et al. R. H. Troy 2 L. M. Watkins Neostyle Co H. T. Newcomb W. H. Pleasants L. M. Erskine 7 E. T. Peters 9 Earle Sloan	Neostyle. ink, and blotters	58.10
	H. T. Newcomb	Traveling expenses	2, 00
	5 W. H. Pleasants L. M. Erskine	Salary	20, 00 50, 00
	7 E. T. Peters	do	147.00
	9 Earle Sloan Henry Hawkins J. L. Cantwell	do	25. 00· 20. 00
	J. L. Cantwell	do	20.00
	L. C. Dorgan, jr.	do	25, 00
	W. O. H. Shepard Fred A. Schmidt	Calculating machine	20.00 30.00
	L. C. Dorgan, jr. L. W. O. H. Shepard T. Fred A. Schmidt Frank P. Bennett	Subscription Wool and Cotton Re-	3. 00
	Library Bureau	Cards	43.00
	21 The White Corbin & Co	Envelopes Guides	78.84
	Library Bureaudodo	Travs	10.00 4.50
	Penusylvania R. R. Co	Trays Passenger transportation Salaries	6.00
June	H. T. Newcomb et al L. T. Peters	Salaries	5, 163. 04 150. 50
	3 L.M. Watkins	do	75.00-
	4 J. L. Cantwell	do	20, 00 75, 00
	L. M. Erskine	do	50.00
	7 Henry Hawkins	do	20, 00 20, 00
	8 J. C. Parker	Paper	19. 80
	9 Earle Sloan	Salary	25. 00
	3 W. O. H. Shepard 7 L. C. Dorgan, jr.	do	20, 00 25, 00
	Western Union Telegraph Co	Telegraph service	23. 06
	18 The Norris Peters Co The Railway Age	Making map	40.00
	28 F. H. Hitchcock	Traveling expenses	20.00
	W. C. Duncan	Services	250.00
	H.O. Garvey	do	200.00 175.00 175.00
	R. W. Furnas	do	175. 00
	W. J. Northen	do	150.00 150.00
	J. H. Lane	do	150. 00 137. 50
	W. A. Withers	do	125. 00 125. 00
	W. A. Sherman	do	125. 00 112. 50
	J. A. Hayden	do	112. 50 112. 50
	William Nelson	do	100.00
	Jno. J. Rosa.	do	75.00
	Edward Wiggins	do	
	Chas, L. Gold. Edward Wiggins. H. W. Vail J. A. Tillinghast E. D. Howe.	do	75.00
	J. A. Illingnast	do	75. 00 75. 00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. COLLECTING AGRICULTURAL STATISTICS—Continued.

Total fourth quarter 20,456	Date.	Name.	Nature of payment.	Total.
Marie Mari				
Total fourth quarter 20,456		T	S	
Total fourth quarter 20,456	une so	F.C. Hutchingen	Services	\$75.
Total fourth quarter 20,456		L. C. Hutchinson	do	75.
Total fourth quarter 20,456		D II Thou	C.1	75.
Total fourth quarter 20,456		H. T. Newcomb et al	Salaries	5, 251.
Supplemental. Supplemental. Supplemental.				
Springfield Envelope Co. Manila paper 556		-		20, 450.
25				
25	uly 2	Springfield Envelope Co	Manila paper	556.
25	G	I. I. Feters	Salary	
25	, 0	United States Errange Co	Transportation	
25	7	J. J. Cantwell	Salary	20
25		W H Pleasants	do	20.
25	0	Henry Hawkins	do	20.
25		Earle Sloan	do	25.
25		L. C. Dorgen ir	do	
25	19	W O H Shepard	do	20.
19	25	J C Parker	Tabulating paper	26
22 22 3. 2. 2. 3. 3. 3.		do	Typewriter paper	9.
22 22 3. 2. 2. 3. 3. 3.	ng. 9	Wyckoff, Seamans & Benedict	Repairs to typewriter	4.
22 22 3. 2. 2. 3. 3. 3.	nt. 2	Western Union Telegraph Co.	Telegraph service	4.
22 J. E. Beerbohm. 29 20 20 20 20 20 20 20	7			19.
Total RECAPITULATION. \$24, 197 \$24, 197 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24,		J. E. Beerhohm	Subscription Corn Trade Journal.	29.
Total RECAPITULATION. \$24, 197 \$24, 197 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24, 825 \$24, 197 \$24,		Western Union Telegraph Co	Telegraph service	12.
RECAPITULATION. \$24, 197			1	
rst quarter		Total		997.
1897. 19 31 F. H. Hitchcock et al. Salaries \$647 30 do 632	T	estigating foreign demands for	R UNITED STATES AGRICULT	21, 907. 20, 456. 997. 92, 383.
1	INV	otal ESTIGATING FOREIGN DEMANDS FOR PRODUCT	R UNITED STATES AGRICULT	21, 907. 20, 456. 997. 92, 383. FURAL
ag. 31 odo do 631 odo pt. 30 do do 632 odo Total first quarter 1,910 odo at. 30 odo do 642 odo bc. 31 odo do 643 odo bc. 31 odo do 644 odo bc. 31 odo do 664 odo Total second quarter 1,952 odo bc. 31 odo do 802 odo bc. 28 odo do 802 odo bc. 28 odo do 802 odo bc. 28 odo do 802 odo bc. 31 odo do 802 odo bc. 31 odo do 802 odo bc. 31 odo do 802 odo bc. 32 odo do 803 odo bc. 32 odo do 803 odo bc. 34 odo 804 odo 804 odo bc. 35 odo 805 odo <	T	otal ESTIGATING FOREIGN DEMANDS FOR PRODUCT	R UNITED STATES AGRICULT	21, 907. 20, 456. 997. 92, 383.
Dec. 30 Color	INV Date.	estigating foreign demands for Product	R UNITED STATES AGRICULTS. Nature of payment.	21, 907. 20, 456. 997. 92, 383. FURAL Total.
Total first quarter	INV Date.	estigating foreign demands for Froduct Name. F. H. Hitchcock et al.	R UNITED STATES AGRICULT FS. Nature of payment. Salaries.	21, 907. 20, 456. 997. 92, 383. FURAL Total.
tt. 30 F. H. Hitchcock et al. Salaries 646 ov. 30 do do do 642 do 664 Total second quarter 1,952 do do do 802 ar. 31 do do do 802 ar. 31 do do do 802 ar. 31 do do do 802 Total third quarter 2,535 pr. 30 F. H. Hitchcock et al. Salaries 871 do 882 ar. 31 do 684 do 882 ar. 31 do 882 do 685 do 882 ar. 31 do 882 do 882 ar. 31 do 882 do 882 ar. 31 do 883 do 883 do 883 do 884 do 885	To INV Date. 1897. aly 31 ug. 31	Name. F. H. Hitchcock et al.	R UNITED STATES AGRICULT S. Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631.
Dec. 31 do	To INV Date. 1897. aly 31 ug. 31	Name. F. H. Hitchcock et al.	R UNITED STATES AGRICULT S. Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631.
Dec. 31 do	To INV Date. 1897. uly 31 ug, 31	Name. F. H. Hitchcock et aldododo	R UNITED STATES AGRICULT FS. Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631. 632.
Total second quarter Geometric Geome	Date. 1897. aly 31 ug. 31 ept. 30	Name. F. H. Hitchcock et aldodo Total first quarter.	R UNITED STATES AGRICULT FS. Nature of payment. Salaries. do do	21, 907. 20, 456. 997. 92, 383. TURAL Total. \$647. 631. 632. 1, 910.
Total second quarter 1,952	To INV Date. 1897. tly 31 ug. 31 ept. 30	Name. F. H. Hitchcock et aldodo Total first quarter. F. H. Hitchcock et al	R UNITED STATES AGRICULTS. Nature of payment. Salaries. do do Salaries.	21, 907. 20, 456. 997. 92, 383. CURAL Total. \$647. 631. 632. 1, 910.
1898. F. H. Hitchcock et al. Salaries 842 19b. 28 do	To INV. Date. 1897. 1897. ug. 31 ug. 31 ct. 30 ov. 30	Name. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo	Nature of payment. Salariesdododo	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910.
April	To INV. Date. 1897. uly 31 ug. 31 ug. 30 et. 30 ov. 30	Name. F. H. Hitchcock et aldo Total first quarter. F. H. ditchcock et aldo	Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664.
ar. 31 do do 890 Total third quarter 2, 535 pr. 30 ay 31 do do 871 abo do 889 Total fourth quarter 831aries 871 abo do 889 Total fourth quarter 2, 622 RECAPITULATION \$21,010	To INV Date. 1897. aly 31 ug. 31 ept. 30 ov. 30 ec. 31 . 1898.	Name. F. H. Hitchcock et aldo Total first quarter F. H. Hitchcock et aldo Total second quarter	R UNITED STATES AGRICULTS. Nature of payment. Salaries. do do Salaries. do do do	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952.
Total third quarter 2,535 F. H. Hitchcock et al Salaries 871 do do do 889 Total fourth quarter 2,622 RECAPITULATION.	To INV Date. 1897. 1897. 19pt. 30 ct. 30 ct. 30 cv. 30 1898. tn. 31	Name. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total F. H. Hitchcock et aldo	R UNITED STATES AGRICULTES. Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 642. 842.
pr. 30 ay 31 do 888 mine 30 do 861 Total fourth quarter 2, 622	To INV Date. 1897. dy 31 ug. 31 ug. 30 ov. 30 ov. 30 ov. 30 et. 31	Name. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total F. H. Hitchcock et aldo	R UNITED STATES AGRICULTES. Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842.
pr. 30 ay 31 do Salaries S71 879 889 do do 861 Total fourth quarter 2, 622	To INV Date. 1897. dy 31 ug. 31 ug. 30 ov. 30 ov. 30 ov. 30 et. 31	Name. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total first quarter. F. H. Hitchcock et aldo Total F. H. Hitchcock et aldo	R UNITED STATES AGRICULTES. Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842.
Ay 31	To INV Date. 1897. dy 31 ug. 31 ug. 30 ov. 30 ec. 31 1898. an. 31 ab. 28	Name. F. H. Hitchcock et aldo	R UNITED STATES AGRICULT FS. Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 642. 842. 842. 890.
ay 31 do do 889 861 Total fourth quarter 2, 622 RECAPITULATION.	To INV Date. 1897. dy 31 ug. 31 ug. 30 ov. 30 ec. 31 1898. an. 31 ab. 28	Name. F. H. Hitchcock et aldo	Nature of payment. Salaries	21, 907. 20, 456. 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 890. 2, 535.
Total fourth quarter	To INV Date. 1897. 41y 31 19pt. 30 ct. 30 ov. 30 ov. 30 cec. 31 1898. 41. 42. 43. 44. 45. 46. 46. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47	Name. F. H. Hitchcock et aldo	Nature of payment. Salaries	21, 907. 20, 456. 997. 992, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 892. 892. 893. 2, 535.
RECAPITULATION.	To INV Date. 1897. dly 31 ug. 31 ppt. 30 ov. 30 ov. 30 ov. 30 ov. 31 ls98. nn. 31 ls98. ar. 31	Name. F. H. Hitchcock et aldo	Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 890. 2, 535. 871.
¢1 010	To INV Date. 1897. ally 31 ug. 31 ept. 30 ct. 30 ov. 30 ec. 31 1898. in. 31	Name. F. H. Hitchcock et al	Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 802. 890. 2, 535. 871. 889. 861.
rst quarter \$1,910 cond quarter 1,952 iird quarter 2,535	To INV Date. 1897. dly 31 ug. 31 ppt. 30 ov. 30 ov. 30 ov. 30 ov. 31 ls98. nn. 31 ls98. ar. 31	Name. F. H. Hitchcock et al	Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 890. 2, 535. 871.
cond quarter	To INV Date. 1897. dly 31 ug. 31 ug. 31 ov. 30 et. 30 ov. 30 et. 31 1898. 11898. 11898. 1298. 1298. 1398. 1499. 1499. 1499. 1499. 1599.	Name. F. H. Hitchcock et aldododododododo.	Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 664. 1, 952. 842. 892. 892. 2, 535. 871. 889. 861. 2, 622.
nrd quarter	T. INV Date. 1897. 1997. 109. 11898. 11898. 11898. 11898. 11998. 1299. 1309. 1409. 1509. 1609. 1709.	Name. F. H. Hitchcock et aldo	Nature of payment. Nature of payment. Salaries	21, 907. 20, 456, 997. 92, 383. FURAL Total. \$647. 631. 632. 1, 910. 646. 642. 802. 842. 802. 890. 2, 535. 871. 889. 881. 2, 622.
ourth quarter 2, 622.	TNV Date. 1897. dy 31 ug. 31	Name. F. H. Hitchcock et aldo	Nature of payment. Nature of payment. Salaries	21, 907 20, 456 997. 92, 383 TURAL Total \$647 631 632 1, 910. 646 642. 802. 842. 802. 890. 2, 535. 871. 889. 861. 2, 622.

9, 021. 09

BOTANICAL INVESTIGATION AND EXPERIMENT.

Date.	Name.	Nature of payment.	Total.
1897.			
July 21	Franklin & Co Wilmarth & Edmonston	Steel tape measure	\$2.00
	The Sabultzback	Fruit jars Rain gauge Wooden frames	2.40 2.60
	Jno. Schultzbach. Belt & Dyer.	Wooden frames	3.30
	Belt & Dyer Conrad Beeker Judd & Detweiler Henry Lindenmeyer & Son G. H. Hicks L. H. Dewey et al Frederick V. Coville do E. P. Sheldon E. S. Schmid H. H. Brown	Straps, etc	3. 60
	Judd & Detweiler	Paper White paper Traveling expenses	5, 50
24	Henry Lindenmeyer & Son	White paper	7. 20 32. 75
28	G. H. Hicks	Salaries	882, 10
Aug. 31	Frederick V Coville	Traveling expenses	93. 43
Aug. 2	do	do	74.60
	E. P. Sheldon	Salary	150.00
6	E. S. Schmid	Labels	4.50
12	H. H. Brown Frederick V. Coville J. B. Leiberg Mackall Bros. & Flemer	Seed plates Traveling expenses Salary	4. 26 83. 96
13	J. B. Leiberg	Salary	24. 46
18	Mackall Bros. & Flemer.	Formaline	4.43
	/ Z. D. Gilman		. 30
	Rudolph West & Co	Nails Index cards	. 67
24 25	H. N. Patterson	Solio paper	15. 00 2. 25
25	H. H. Brown	Lumber.	5. 18
31	G. A. Shehan L. H. Dewey et al Fred. A. Schmidt	Salaries	840.16
Sep. 3	Fred. A. Schmidt	Section liner	3.94
	H N Potterson	Ribliograph cards	14.50
4	F. Franceschi E. P. Sheldon V. K. Chesnut	Sampler of seeds and fruits	20.00 150.00
4 8	V. K. Chesnut	Salary Traveling expenses	49. 55
· ·	do	do	23, 85
	L. H. Dewey W. I. Brooke & Co.	do	8.00
10	W. I. Brooke & Co	Drain tile	5, 63
16 18	Ernest Betz Mackall Bros. & Flemer	Tin boxes Chemicals	19.00 2.49
23	Frederick V. Coville	Traveling expenses	34.60
24	Pennsylvania R. R. Co	Passenger transportation	20.16
	Pennsylvania R. R. Co. Chicago, Burlington and Northern R. R. Co.	do	29.00
. 30	Northern Pacific Rwy. Co. L. H. Dewey et al.	Salaries	10. 95 805, 80
		1-	
	Total first quarter		3, 442. 12
Oct. 1	Ernest Betz Frederick V. Coville	Tin boxes	19.00
0	W. F. Jones	Traveling expensesLabels	329. 81
2	Adams Evarase Co	Transportation	2.83
	Adams Express Co. United States Express Co. E. P. Sheldon	Transportation do	. 40 2. 70
4	E. P. Sheldon	Salary	150.00
5			107.00
7 8	Endolph, West & Co	Wire Traveling expenses	. 36
21	Charles White	Manura	41.25 1.00
22	E. Morrison Paper Co	Manure Binders' board	5.00
23	American Jadoo Co.	Jadoo fibre	2.00
25	Battimore and Onto R. R. Co. Rudolph, West & Co. Frederick V. Coville Charles White E. Morrison Paper Co. American Jadoo Co. Library Bureau Southern Prefife R. R. Co. L. H. Dewey et al. Henry H. Erown	Index cards	16.00
25 30	L. H. Dewey et al	Passenger transportation	19. 20 764. 80
Nov. 1	Henry H. Brown	Salaries. Solio paper.	2, 68
	dő Edward S. Schmid	Films Plant labels	4. 50
i	Edward S. Schmid	Plant labels	4.50
4	Alex. Schmid.	Boxes.	16.80
4	Library Bureau Schneider Bros	Index cards	11.75
	Schneider Bros George A. Shehan	Lnmber	3, 60 7, 20
. 8		75 7.1 () 7	77 00
	Alex Schmid	Pamphlet indexes	11.00
9	Alex Schmid	Pamphlet indexes. Making brass shelf	1.25
	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph Wast f. Co	Pamphlet indexes. Making brass shelf Paper boxes Wise patting	1. 25 12. 00
	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph Wast f. Co	Pamphlet indexes. Making brass shelf Paper boxes Wire netting Index cards	1. 25 12. 00 2. 16
9	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph Wast f. Co	Paper boxes Wire netting Index eards Seed drill	1. 25 12. 00
9	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph Wast f. Co	Paper boxes Wire netting Index cards Seed drill Jars	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54
9	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall. Tatum & Co Alex. Schmid	Paper boxes Wire netting Index cards Seed drill Jars File cases	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00
9 16 23	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall. Tatum & Co Alex. Schmid Geo. P. Killian	Paper boxes Wire netting Index cards Seed drill Jars File cases	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00 12. 00
9	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall. Tatum & Co Alex. Schmid Geo. P. Killian Mackall Bros. & Flemer	Paper boxes Wire netting Index cards Seed drill Jars File cases	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00 12. 00 1. 85
9 16 23	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall. Tatum & Co Alex. Schmid Geo. P. Killian Mackall Bros. & Flemer L. H. Dewey et al Bausch & Lomb Optical Co	Paper boxes Wire netting Index cards Seed drill Jars File cases	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00 12. 00 1. 85 740. 40
9 16 23 29 30	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall, Tatum & Co Alex. Schmid Geo. P. Killian Mackall Bros. & Flemer L. H. Dewey et al Bausch & Lomb Optical Co Geo. P. Killian	Paper boxes Wire netting Index eards Seed drill Jars File cases Boxes Chemicals Salaries Photographic supplies Boxes Boxes	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00 12. 00 1. 85 740. 40 1. 13
9 16 23 29 30	Alex. Schmid Ernest Betz Geo. P. Killian Rudolph, West & Co Library Bureau William H. Maule Whitall. Tatum & Co Alex. Schmid Geo. P. Killian Mackall Bros. & Flemer L. H. Dewey et al Bausch & Lomb Optical Co	Paper boxes Wire netting Index eards Seed drill Jars File cases Boxes Chemicals Salaries Photographic supplies Boxes Boxes	1. 25 12. 00 2. 16 17. 85 1. 25 19. 54 11. 00 12. 00 1. 85 740. 40

BOTANICAL INVESTIGATION AND EXPERIMENT—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Dec. 2	Baltimore and Ohio R. R. Co	Passenger transportation	\$17.5
3	Jno. C. Parker	Labels	2.
6	H. H. Brown	Seed plates	4.
	Mackall Bros. & Flemer	Tubes, corks, etc	28.
11	Ernest Betz	Germinating apparatus	52.
16	W. H. Morehouse	Photographic work Glass tubes, etc.	3. 0
	Whitall, Tatum & Co	Glass tubes, etc	11.
18	Library Bureau	Manila cards	1.
20 27	H. H. Brown	Tray	2.
27	Herman Baumgarten.	Seal	1. 84.
31	Jno. C. Dabney	Seal Salary Salaries	84.
	L. H. Dewey et al	Salaries	680.
	Total second quarter		3, 254.
1898.			
an. 4	W. H. Morehouse	Pan	1.
7	L.M. Goodrick	Sand	3.
	do	do	1.
15	R. P. Clarke	Canton flannel	
	do R. P. Clarke H. H. Brown	Photograph supplies	6.
	do	(10	2.
18	United States Express Co	Transportation	1.
	H. N. Patterson	Cards	16.
22	Bausch & Lomb Optical Co Panl Hiser, jr., & Bro Geo. P. Killian	Repairing shutters	1.
25	Coo P Villian	Porces	12.
20	Mackall Bros. & Flemer	I aboratory auphlice	52.
31	Ino C Dahney	Boxes. Laboratory supplies	86.
01	Jno. C. Dabney L. H. Dewey et al Maurice D. Kains	Report on "ginseng" Wire frames	801.
Feb. 2	Maurice D. Kains	Report on "ginseng"	801. 125.
3	W.S.Jenks	Wire frames	4.
	Wm. D. Colt	Welsbach light	4.
	Mackall Bros & Flemer	Test tubes	
11	Ernest Betz	Iron strips	3.
	Ernest Betz C. C. Van Horn W. W. Tracy	Tron strips	4.
15	W. W. Tracy	Expenses	12.
	Easton & Rupp Edward Palmer		3,
	Edward Palmer	Mexican seeds, etc	100.
1.7	C. C. Van Horn Library Bureau	Welsbach mantel	10
17	Library Bureau	Walnut case	19. 22.
18	Corcoran, Witt & Co	Grass-seed chondrometer	22. 25.
23	A. J. Pieters	Expenses	7.
20	Randolph Paper Box Co		12.
25	Alex Schmid	Payee	12.
28	Alex. Schmid. W. W. Tracy E. M. Tilden	Passenger transportation Boxes Expenses Stamp racks Salaries Making scrapbook Objective Salary	8.
	E. M. Tilden	Stamp racks	4.
	L. H. Dewey et al	Salaries	821.
Mar. 1	Robt. Smith Bausch & Lomb Optical Co.	Making scrapbook	2.
	Bausch & Lomb Optical Co	Objective	24.
	J. C. Dabney	Salary	77.
2	Z. D. Gilman	Gas regulator	1.
	Rudolph, West & Co	Gas regulator Wire netting Rose-leaf extract	3.
	E. S. Schmid Henry Lindenmeyer & Son C. C. Van Horn	Rose-leaf extract	1.
4	Henry Lindenmeyer & Son	Paper	6.
. 9	C. C. Van Horn	Welsbach light	1. 75.
	E. P. Sheldon	Specimen of weeds	30.
11	F. L. Harvey	Bibliography	9.
14	Cambridge Botanical Supply Co Oregon Short Line Rwy. Co Wm. Krafft	Passenger transportation	10.
15	Wm Krafft	Loun stand	7.
18		Loup stand	13.
21	Adams Express Co	Transportation	5.
	Alex, Schmid	Boxes	12.
22	Adams Express Co. Alex. Schmid Ernest Betz.	do	19.
	Rudolph, West & Co. Mackall Bros. & Flemer. Julien P. Friez. Bausch & Lomb Optical Co. Edwd. S. Schmid.	Wire netting	8.
	Mackall Bros. & Flemer	Tubes, etc	27. 1.
23	Julien P. Friez	Boxes for gauge	1.
	Bausch & Lomb Optical Co	Objectives, etc	6.
30	Edwd. S. Schmid		2.
		Watering pot	2.
	Conrad Becker	Watering pot. Straps Salaries	12.
	L. H. Dewey et al	Salaries	949.
31	L. H. Dewey et al	Cutter of the control	

BOTANICAL INVESTIGATION AND EXPERIMENT—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Apr. 2	J. J. H. Gregory & Son	Seeds	\$0.60
-	W. S. Jenks	Wire screens	7. 50
	Geo. A. Shehan Jno. C. Dabney United States Express Co. W. W. Tracy, jr P. Mann & Co. W. W. Tracy, jr F. V. Coville Polyt Gair	Lumber Salary Transportation	1. 73 86. 10
6	United States Express Co	Transportation	1. 20
8	W. W. Tracy, ir.	Expenses	12. 21
	P. Mann & Co.	Phosphate	8.34
14	W. W. Tracy, jr	Expenses. Traveling expenses	7.00
15	F. V. Coville	Seed bags	11.10 11.32
15 16	Adame Express Co	Transportation	1.60
10	. do. F. W. Riley & Son. Mackall Bros. & Flemer.	Manure and freight	4. 55
22	F. W. Riley & Son	Manure and freight	31.00
	Mackall Bros. & Flemer	Tubes. corks. etc	55. 30
29	J S Topham	Rake and hoe.	3 50
30	L. H. Dewey et al	Salaries.	3, 50 1, 047, 30 24-16
May 2	Potomac Terra Cotta Co	Drain tile	24.16
3	Mackatt Bros. & Flemer. Rudolph, West & Co. J. S. Topham L. H. Dewey et al. Potomac Terra Cotta Co Geo. A. Shehan. Drumm Seed and Floral Co.	Lumber	3, 60
4	Drumm Seed and Floral Co	Seeds	. 35 7. 60
	Whitall Tatum & Co	Cards. Bottles	11.88
5	H. H. Brown	Film	4.50
10		Frances	6.30
	do. F. V. Coville. Chas. White		4.00
11	F. V. Coville	Traveling expenses	37. 27 2. 50
12 17		Canton flaunal	1. 25
11	H. H. Brown	Solio paper	3. 02
	M. H. Brown Maurice G. Kains Queen & Co., Incorporated. J. M. Thorburu & Co. Aug. Rhotert.	Solio paper	100.00
20	Queen & Co., Incorporated	Soil rheostat	28, 90
21	J. M. Thorburu & Co	Seeds	. 90 16, 87
23	Library Rureau	Cards	3, 75
24	Rudolph, West & Co	Hardware	3. 15
25	Library Bureau. Rudolph, West & Co. W. B. Cleves Powell Fertilizer and Chemical Co.	Trowel, etc	1.00
	Powell Fertilizer and Chemical Co	Soda, potash, etc	1.50
27 28	G. H. Hicks	Expenses	6.09
31	Powell Fertilizer and Chemical Co. G. H. Hicks Adams Express Co. L. H. Dewey et al. W. W. Tracy, jr. Geo. A. Shehan. Maurice G. Kains H. H. Brown E. Morrison Paper Co. W. W. Tracy, jr. do Adams Express Co. Florida Times-Union and Citizen G. H. Hicks	Transportation	10.35 1,085.40
June 1	W. W. Tracy, jr.	Expenses	23. 15
6	Geo. A. Shehan.	Lumber	1,72
11	Maurice G. Kains	Report, castor-oil bean	400,00
11	H. H. Drown E Marrison Paper Co	Film holder Index pockets, etc	1.00 38.00
	W. W. Tracy. ir.	Bean poles	8, 00
	do	Bean poles	11.40
13	Adams Express Co	Transportation	4. 90
16	Florida Times-Union and Citizen	Subscription	.50
21	G. H. Hicks Thos. H. Kearney, jr Schneider Bros Geo. A. Shehan	Expenses Traveling expenses Thermometers	14.02 83.13
23	Schneider Bros.	Thermometers	7. 20
	Geo. A. Shehan	Lumber	5. 82 2. 32
0.4	Mackall Bros. & Flemer.	Formaline and camphor	2. 32
24	Union Pacific Rwy. Co Oregon Railroad and Navigation Co	Passenger transportationdo	23.51
30	L. H. Dewey et al.	Salaries	13.82 953,40
		Data (Ob. ************************************	200, 10
	Total fourth quarter		4, 247, 21
	Supplemental.		
July 2	Elmer I. Applegate	Salary	125.00
· ·	C. L. Pollard.	Seeds	10.00
6	United States Express Co	Seeds Transportation do Expenses	2, 90
9	W W The	do	. 90 3. 00
13	F. A Schmidt	Expenses	3.00
. 10	W. W. Tracy.	Umbrella Expenses	6.11 7.00
	Elmer I. Applegate C. L. Pollard United States Express Codo W. W. Tracy F. A. Schmidt W. W. Tracydo	dodododo	5, 00
	do	do	4.29
23	H. J. Green H. Lindenmeyer & Son	Repairing barometer	2.00
	Cambridge Rotanical Symple Co	Paper Index cards Fountain pen	6.96
25	J. C. Parker	Fountain neu	3.00 4.00
27	R. P. Clarke	Duck	1.50
Aug. 19	Adams Express Co. Lewis M. Goodrick.	Duck Transportation	6. 45
27	Lewis M. Goodrick	Sand	3.00

BOTANICAL INVESTIGATION AND EXPERIMENT—Continued.

Date.	Name.	Nature of payment.	Total.
1897. Aug. 27 Sept. 14 23 24	Fredk. Springmann Northern Pacific Rwy. Co. Baltimore and Ohio R. R. Co. Adams Express Co. Oregon Railroad and Navigation Co. Total.	Transportationdo	\$0.50 25.00 28.50 1.30 1.33

RECAPITULATION.

First quarter	\$3, 442, 12
Second quarter	3, 254, 41
Third quarter	3, 489, 03
Fourth quarter	4, 247. 21
Supplemental	247.74
Total	14, 680. 51

ENTOMOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897.	·		
fuly 16	L. O. Howard	Traveling expenses	\$63.1
17	Gco. J. Mueller	Glucose	16. 0
21	Washington Steamboat Co., Limited	Freight and drayage	. 5
	R. P. Clarke	Muslin	1.6
	W. H. Swift & Co	Acetate of lead, etc	9. 7
	M. Abbott Frazer	Disinfecting cones	3.7
31	E. A. Schwarz et al	Salaries	1, 104. 6
Aug. 4	Jno. Schmitt	Insect boxes	52.5
	Queen & Co., Incorporated	Pins	2. 0
6	Otto Heidemann	Drawing	19. 9
16	Jas. A. Nicholson & Son.	Awnings	17. 8
18	Mackall Bros. & Flemer	Chloroform	6. 6
	Rudolph, West & Co	Pan, etc.	2.5
19	F. C. Pratt	Traveling expenses	9. 2
25	Henry H. Brown	Plates	1.1
31	F. C. Pratt	Traveling expenses	8.6
	E. A. Schwarz et al	Salaries	1, 044. 6
Sept. 3	H. H. Brown	Photographic supplies	4.8
	R. P. Clarke	Swiss	5. 0
4	F. H. Chittenden	Traveling expenses	19.0
-	L. O. Howard	do	44. 7
7	Frank Benton	do	18. 4 1. 9
8	Z, D Gilman	Bottles	3, 6
10	Rudolph, West & Co.	Trowel forceps	75.0
17	W. D. Hunter	Salary	69. 3
20	do E. A. Schwarz et al	Traveling expenses	1, 018. 8
30		Salaries	
	Total first quarter		3, 625. 2
Oct. 1	Jno. Green	Repairing triplet	5. (
	Jno. C. Parker	Stencil paper	2. 2
2	Schneider Bros	Thermometer	2.
4	D. W. Coquillett	Traveling expenses	5. 2
7	L. O. Howard	do	78.
	Rudolph, West & Co	Pruning knife	2. (
	E.J. Pullman	Proofs	. 9
	do	Proof prints	. 4
21	W. D. Hunter	Salary	75. (
22	Mackall Bros. & Flemer	Jars, etc.	278. 6
	do	Cotton	1.9
25	Denver and Rio Grande R. R. Co	Passenger transportation	19.8
0.0	The Rio Grande Western R.R. Co	do	13. 0
30	C. H. T. Townsend	Salary	100.0
NT	E. A. Schwarz et al.	Salaries	1, 044. 6 28. 5
Nov. 1	W. D. Hunter	Traveling expenses	3, 6
4	Bausch & Lomb Optical Co	Circular, squares, etc	2. 2
5	E. L. Wilson	Repairing spray pumps	2. 0
	do	Insect exterminator	4. (

ENTOMOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Nov. 11	C. H. T. Townsend Otto Heidemann	Traveling expenses	\$138.85
12	Otto Heidemann	Engraving	78.00
16	Utto Heidemann Library Bureau. E. & H. P. Anthony & Co. Queen & Co., Incorporated Northern Pacific Rwy. Co. Jno. Schmitt. F. H. Chittenden	Index cards	14.40
17	Oncon & Co. Incorporated	Boxes	2, 50 6, 50
20	Northern Pacific Rwy. Co.	Passenger transportation	32. 30
22	Jno. Schmitt	Tinsect boxes Traveling expenses do Salaries	52. 50
23	F. H. Chittenden	Traveling expenses	9. 33
29	L. O. Howard	do	64.13
30	E. A. Schwarz et al.	Salaries Pens	1,010.80
Dec. 1	Fred A. Schmidt	Paper.	. 43 6. 23
2	F. H. Chittenen L. O. Howard E. A. Schwarz et al Fred A. Schmidt J. T. Walker Sons Burlington and Missouri River R. R. in Nebraska.		23, 60
	Oregon Short Line R. R. Co	do	16.30
	One was Pailward and Navigation Co	do	7.00
	Oregon Railroad and Navigation Co	Drawings	16, 69 130, 0
	Otto Heidemann C. H. T. Townsend	Drawings	100.00
6	Rufus B. Clarke Rudolph, West & Co	Cotton duck	5, 46
	Rudolph, West & Co	Felt	1.25
7	E. J. Pullman	Lantern slides	16.00
8	Library Bureau	Card holders	. 29 5. 90
10 11	C H T Townsend	Traveling expenses	121. 90
17	Rudolph, West & Co. E. J. Pullman Library Bureau E. A. Duckett & Co. C. H. T. Townsend Lancaster Cork Works W. S. Jenks	Corks	4. 25
21	W. S. Jenks	Tinning	4. 50
22	9 no. Green	Repairing triplets	8.00
31	E. A. Schwarz et al	Salaries	1, 044. 6
	Total second quarter		4, 596. 5
189 8 . Jan. 4	Tu-d A Cohmidt	Metric rules	0.0
oan. 4	Fred A. Schmidt	Solary	80. 63
13	J. C. H. T. Townsend Jno. C. Parker A. P. McElroy.	Salary Transfer case Frame, etc	3. 60
15	A. P. McElroy	Frame, etc	4. 23
18	United States Express Co	Transportation	3. 68
20	Galveston, Harrisburg and San Antonio Rwy. Co. Royce & Marean C. H. T. Townsend.		30. 10
22	Royce & Marean	Magnet wire	. 20 121. 03
	F C Prott	Traveling expensesdo	1.50
28	F. C. Pratt. Otto Heidemann.	Engraving	78.00
31	F A Sohwong	Engraving Salaries Triplet	1, 067, 90
Feb. 1	John Green M. W. Beveridge Geo. P. Bartl John Schmitt	Triplet	14.00
11	M. W. Beveridge	Pan	1.50
15	Geo. P. Bartl	Engraving	60, 00
17		Engraving Insect boxes Guides	52. 50 2. 50
26	Mexican Central Rwy Co. Limited	Passenger transportation	52. 00
	Paul D. Sullivan	Drawing	10.00
28	Mexican Central Rwy. Co., Limited. Paul D. Sullivan E. A. Sehwarz et al. Z. D. Gilman	Salaries	964. 20
Mar. 5	Z. D. Gilman	Bottles	3.60
9	Otto Heidemann Mackall Bros. & Flemer	Engraving on wood	98. 00
15	Geo F Muth & Co	Sulphuric acid	. 75 6. 00
21	Adams Express Co.	Transportation	2 75
	Geo. F. Muth & Co. Adams Express Codo.	do	2. 75 4. 70
22 31	Easton & Rupp E. A. Schwarz et al	Atomizer, etc. Transportation do Postal scales.	1.60
91		Salaries	1, 128. 10
Apr. 2	Total third quarter	Rwychog	3, 794. 03
трт. 2	Mackall Bros. & Flemer Western Union Telegraph Co	Brushes	. 51 10. 60
6	D. W. Coquillett.	Telegraph service	6, 00
	Western Union Telegraph Co. D. W. Coquillett. United States Express Co.	Transportation do	1.90
	do	do	1.40
		Jars	4.50
11	Z. D. Gilman		
	Z. D. Gilman Estate of M. W. Beveridge	Jars Pens	
15	Z. D. Gilman Estate of M. W. Beveridge. Queen & Co., Incorporated.	Pins	5, 00
15 16	Z. D. Gilman Estate of M. W. Beveridge Queen & Co., Incorporated Adams Express Co. United States Express Co.	Pins	1.50 5.00 4.40 5.10
15	Z. D. Gilman Estate of M. W. Beveridge Queen & Co., Incorporated Adams Express Co. United States Express Co. W. H. Veerhoff.	Pins	5. 00 4. 40 5. 10
15 16 25	United States Express Codo. Z. D. Gilman Estate of M. W. Beveridge Queen & Co., Incorporated Adams Express Co. United States Express Co. W. H. Veerhoff E. A. Schwarz et al. J. R. Buckelew. C. L. Marlatt	Pins	5, 00

ENTOMOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
May 3	P. Mann & Co	Barbed wire	\$1.
	Wright Soomana f- Panadiat	Barbed wire	4.
4	Sherman & Crouch Ernest Betz. Z. D. Gilman Rudolph, West & Co. Paul Hiser, jr., & Bro Melville Lindsay.	Plant protectors	1.
5	Ernest Betz	Cages and flowernots	12.
	Z. D. Gilman	Watch glasses. Door check, etc.	4.
1.5	Rudolph, West & Co	Door check, etc	4.
17	Paul Hiser, Jr., & Bro	Saucers Hose	1.
	Melvine Linusay	Carinklan	8. 0 2. i
	Western Thier Walsonerly Co	Sprinkler	1.3
20	Ino Green	Triplet	13.
	H. C. Jones	Triplet Engraving Drawings. Traveling expenses.	2.
23	E. H. Rulesaamen	Drawings.	30.
	L. O. Howard	Traveling expenses	2 8 3.
24	Queen & Co., Incorporated	Boxes	13.
	Western Union Felegraph Co Jno. Green H. C. Jones E. H. Rulesaamen L. O. Howard Queen & Co., Incorporated Otto Heidemann P. Shorwerk	Boxes. Engravings Photographing on wood.	79.
25	R. Shorrock Wynkoop, Hallenbeck, Crawford Co Otto Heidemann	Photographing on wood	1.
	Wynkoop, Hallenbeck, Crawford Co	FJECTTOS	ə.
28	Otto Heidemann	Drawings Transportation	18.
0.1	Adams Express Co. E. A. Schwarz et al. The Daimler Motor Co.	Transportation	5.
31	E. A. Schwarz et al.	Salaries	1, 274.
une 1	Los P. Lyon	Water nead, etc	20.
2	Jas. B. Lyon	Transportation Salaries Water head, etc Electrotype Repairing lens Salary Making boxes Raw cotton	1. 2.
3	C H T Townsond	Solony	19.
6	John Green. C. H. T. Townsend Ernest Betz.	Making hoves	4.
U	Ernest Betz. R. P. Clarke. Maurice Joyce Engraving Codo. C. H. T. Townsend Z. D. Gilman.	Raw cotton	1.
	Maurice Joyce Engraving Co	Electros	2.
	do	do	1.
9	C. H. T. Townsend	Traveling expenses	43.
11	Z. D. Gilman	Glass dishes	12.
	E. L. Willson	Glass dishes	6.
13	Adams Express Co	Transportation	1.
14	F. C. Pratt	Traveling expenses	8.
- 15	A. B. Gillian E. L. Willson Adams Express Co. F. C. Pratt Library Bureau The Heliotype Printing Co.	Transportation Traveling expenses Guides Heliotypes	3.
	The Heliotype Printing Co	Heliotypes	60.
	John Green		14.
	John Green. Harvey C. Jones do do	Engraving do	10.
	do	do	5.
	D. Ch., march	Photographing on wood	3.
	R. Shorrock Schneider Bros.	Thermometers	1. 2.
	do	do.	2.
	do Carl Zeiss	Microscope stand objectives etc	292.
16	W. G. Johnson	do Microscope stand, objectives, etc. Electrotype Telegraph services Engraving Trowels	2.
	W. G. Johnson Western Union Telegraph Co	Telegraph services	6.
	Maurice Joyce Engraving Co	Engraving	27.
	Rudolph, West & Co	Trowels	9.
21	H. H. Brown	Jars	
	do	Photographic supplies.	4.
22	Western Union Telegraph Co- Maurice Joyce Engraving Co- Rudolph, West & Co- H. H. Browndo Peter Fireman Southern California Rwy. Co- Southern Rwy. Co-	Translating	78.
24	Southern California Rwy. Co	Passenger transportation	6.
20		Salaries	67.
30	E. A. Schwarz et al	Satatres	1, 302.
	Total fourth quarter		5, 072.
·	Supplemental.		
uly 1	Geo. P. Bartle	Engraving.	60.
-0 -	H. C. Jones	Engravingdo	3.
2	E.J. Oelar	Specimens	16.
	F. P. May & Co. R. P. Clarke C. H. T. Townsend	Specimens. Files, measures, etc. Silesia. Traveling expenses Salary.	12.
	R. P. Clarke	Silesia	1.
6	C. H. T. Townsend	Traveling expenses	108.
		Salary	86.
	F. H. Chittenden	Traveling expenses	8. 11.
	F. C. Pratt	T	11.
	L. U. Howard	Expenses	4.
7	GO F. H. Chittenden F. C. Pratt. L. O. Howard Bausch & Lomb Optical Co do W. D. Hunter	Optical supplies	100.
9	W D Hunton	Traveling expenses	10.
9	W. D. Hunterdo	Salary Traveling expenses do Expenses Optical supplies Slips and circles Traveling expenses Solary	24. 37.
	do do Geo. W. Knox Express Co. Rudolph, West & Co. Z. D. Gilman E. Morrison Paper Co. C. R. Edmonston	Salary Transportation Pliers, punches, etc Microtome, cylinders, etc	13.
	Pudolph Wort & Co	Pliers punches etc	10. 5
13	Z. D. Gilman	Microtome cylinders ate	5. 103.
	E. D. Gillian	Genus covers	2.
14			

ENTOMOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898. July 15 18 23 25 26 27 Aug. 16 18 19 24 25 Sept. 14 . 20 23 24 Oct. 5 18 22 24	Otto Heidemann Thos, Somerville & Sondo Maurice Joyce Engraving Co H. C. Jones M. A. Frazar Mackall Bros. & Flemer Maurice Joyce Engraving Co H. H. Brown Pennsylvania R. R. Co. Oregon Short Line R. R. Co Oregon Railroad and Navigation Co Burlington and Missouri River R. R. in Nebraska. F. M. Webster Herbt. Osborne Adams Express Co. Bausch & Lomb Optical Co H. H. Brown Chicago and Northwestern Rwy Co. Oregon Short Line R. R. Co. Southern Pacific Co. Denver and Rio Grande R. R. Co W. D. Hunter E. L. Willson & Co. Colorado Midland Rwy Co Adams Express Co. Adams Express Co. Z. D. Gilman. Queen & Co., Incorporated Geo. F. Muth & Co. do Southern Pacific Co.	Plumbers' suppliesdodo Electrotype Engraving Net, frame, etc Rubber stoppers Electrotype Dishes and jars. Passenger transportationdodododododromation of bulletin Report on Hessian fly Transportation Microtome case, etc Kodak Passenger transportationdo .	\$18.00 8.59 8.24 .52 1.75 2.20 7.20 1.42 7.40 17.50 5.80 7.63 16.25 800.00 2.05 6.08 118.80 12.50 13.08 52.45 16.00 5.500 4.60 2.95 5.50 4.60 2.95 5.50 30.60 7.75 .25 20.00
	Total	0 1	2, 613. 76

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	4, 596. 56 3, 794. 03 5, 072, 80
*Total	19, 702. 36

VEGETABLE PATHOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897. July 2 30 31 Aug. 31 2 5 6 7 10 19 23 24 26 Sept. 31 Sept. 3 8	Walter T. Swingle Merck & Co Peter Henderson & Co. Erwin T. Smith et al Walter T. Swingle Chas. White W. B. Moses & Sons H. H. Brown. H. J. Webber Otis H. Gates B. T. Galloway Washington Gas Light Co B. T. Galloway M. A. Carleton H. J. Webber B. T. Galloway Erwin F. Smith et al H. H. Brown Ernest Betz A. F. WooddododoD. Gilman. Rudolph, West & Co	Photographic supplies	\$50.65 2.00 10.00 1,092.48 134.80 13.00 15.00 13.79 134.80 25.00 3.17 4.50 7.80 9.68 10.57 30.50 1,185.90 12.14 1.00 17.92 9.40 9.40
	H. Doc. 23——3		

VEGETABLE PATHOLOGICAL INVESTIGATION—Continued.

Date	3.	Name.	Nature of payment.	Total.
1897.				
Sept. 1		Washington Gas Light Co	Gas	\$4.5
1	11	H. J. Webber Otis H. Gates	Salary	134. 8
		Otis H. Gates.	Salary do Expenses	25. 0
1	14	P. H. Dorsett	Expenses	4. 2 1. 4
1	18	Mackall Bros. & Flemer	Chemicals	10. 6
2	21	Mackall Bros, & Flemer Smith & Fuller Erwin F. Smith et al	Traveling expenses Chemicals Ice Salaries	7. 2
9	30	Erwin F. Smith et al	Salaries	7. 2 1, 135. 7
		Total first quarter		4, 132. 5
Oct.	2	Walter T. Swingle	Traveling expenses	31.9
0000		do	Expenses	3. 2
	6	do C. R. Edmonston Washington Gas Light Co H. J. Webber	Filter tubes	4.0
0	8 21	Washington Gas Light Co	Gas	4. 9
2	21	do	Salary Traveling expenses	130. 4 51. 6
		do	Expenses	10.0
		Otis H. Gates	Salary	25. (
2	22	Mackall Bros. & Flemer	Glass tubing, etc	4. 1
2	28	do do Otis H. Gates Mackall Bros. & Flemer Albert F. Woods Erwin F. Smith	Traveling expenses	5. 4
			Expenses Salary Glass tubing, etc Traveling expenses	33, 2 16. 8
		do	do	17.0
		do do M. A. Carleton Erwin F. Smith et al	Expenses	4. 6
	30	Erwin F. Smith et al	Salaries	1, 158. 8
Nov.	1	P. H. Dorsett A. H. Baldwin	Traveling expenses	11.9
		H. H. Brown	Drawing. Photographic supplies. Labels. Watering pot	1. 5 7. 0
	4	P. F. Van Everen	Labels	1.0
	5	Chas. R. Edmonston	Watering pot	2.2
		Wilmarth & Edmonston Washington Gas Light Co. Newton B. Pierce. .do	Jug	. (
	8	Washington Gas Light Co	Gas	6.0
	0	do	Salary Angust	150. (150. (
		do	Salary, September	150.0
1	10	do Cranford Paving Co M. B. Waite. H. J. Webber	Stone floor	16. 6
	11	M. B. Waite	Traveling expenses	6.6
	13	Otis H. Gates	Salary	134. 8 25. 0
1	16	Library Bureau	Watering pot Jug Gas Salary, July Salary, August Salary, September Stone floor Traveling expenses Salary do Index cards Ocular	2.9
1	17	Library Bureau Eimer & Amend Bausch & Lomb Optical Co.	Ocular	8.8
		Bausch & Lomb Optical Co	Ray filter Labor of 2 men, etc	3. 5
1	18	R. F. Kriegsmann	Labor of 2 men, etc	10.5
		Walter Whitsett Smith & Fuller	Labor Ice	8. (7. (
		C. P. Grav	Labor	8.0
2	23	C. P. Gray Cambridge Botanical Supply Co E. Morrison Paper Co. Mitchell & Reed	Scissors	1.6
		E. Morrison Paper Co	Herbarium paper	4.7
9	26	Z. D. Gilman	Force pumps Chemicals Lumber	10.5
-	20	Geo. H. Shehan	Lumber	5. 0 12. 5
	30	Erwin F Smith at al	Salaries	1, 195.
Dec.		Otis H. Gates Joseph Mathy M. A. Carletondo	Thornoling ownerses	35. (
	3	Joseph Mathy	Traveling expenses Iron stack Salary Expenses Passenger transportation Gas.	18. 0 97. 8
•	9	do	Expenses	97.8
1	16	d0 Lehigh Valley R. R. Co Washington Gas Light Co. Library Bureau Henry H. Brown H. & W. B. Drew Co. H. J. Webber do do	Passenger transportation	10. 4
1	17	Washington Gas Light Co	Gas	9. 1
1	18	Library Bureau	Cards	6. 7
2	20 2 3	Henry H. Brown	Photographic supplies	4. 4 5. 0
	24	H. J. Webber	Traveling expenses	30. 8
_	-	do	Expenses	22. 4
		do	Traveling expenses Traveling expenses Traveling expenses	4. 9
3	31	ET WILL E. SHITCH et al	Salai ios	1, 249. 8
		Total second quarter	=======================================	4, 942. 1
1898. an.	3	M. A. Carleton	Salary	101.1
an.	U	3		6.0
		do	Expenses. Traveling expenses.	6.0 6.7
		dodo Ulrico Hoepli. Edwd. S. Schmidt Lake Shore & Michigan Southern Rwy. Co. Z. D. Gilman Henry H. Brown.	Books	2.1
	4	Edwd. S. Schmidt.	Labels	1.5 7.2
1	5 15	Z D Gilman	Passenger transportationStill, etcPhotographic supplies	12. 1
	10	27. D. OHIHAH	TOI 1	10. 6

	INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Jan. 20	Detroit, Grand Rapids and Western R. R. Co. Washington Gas Light Co	Passenger transportation	\$3, 29
	Washington Gas Light Co	Gas Transportation	10.00
00	Washington Gas Light Co. Fredk. Springmann Geo. A. Shehan Fredk. S. Morse. Henry H. Brown. Erwin F. Smith et al. A. B. Seymour Merek & Co. Botanical Supply Co. Mackall Bros. & Flemer M. A. Carleton. do. B. T. Galloway. Wm. Ryan. Z. D. Gilman. Giovanni Briosi. Eimer & Amend. Jno. C. Parker. J. B. Ellis.	Lumber	2. 26 9. 60
22 26	Frodk S Morse	Hanling	3.60
28	Henry H. Brown	Hauling Photographic supplies	10.58
31	Erwin F. Smith et al	Salaries Books	1 252 90
Feb. 1	A. B. Seymour	Books	6. 20
0	Merck & Co	Soda phosphate Bibliography of American Botany.	6. 20 1. 29 6. 00
3	Modrall Prog. 6. Flower	Bibliography of American Botany.	6.00 3.54
9	M A Carleton	Alcohol, etc	103. 30
	do	Expenses	4.00
12	B. T. Galloway	Traveling expenses	65, 60
15	Wm. Ryan	Manure	1.50
	Z. D. Gilman	Chemicals Dried plants Slides	1. 25
17	Giovanni Briosi	Dried plants	5.00
	Ino C Parker	Labels	3. 12 . 57
	J. B. Ellis	Book	6.00
21	Washington Gas Light Co	Gas	8. 40
24	Newton B. Pierce	Salary, October, 1897	150, 00
	J. B. Ellis Washington Gas Light Co Newton B. Piercedo dodo	Salary, November, 1897	150.00
	do	Salary, December, 1897	150, 00
	do	Expenses, July, 1897	12.00 12.00
	do	Expenses September 1897	14.00
	do	Gas. Salary, October, 1897. Salary, November, 1897. Salary, December, 1897. Expenses, July, 1897. Expenses, August, 1897. Expenses, September, 1897. Traveling expenses, September, 1897.	4. 55
1	dodo	Expenses, October, 1897	13.50
	do	Expenses, October, 1897 Expenses, November, 1897 Expenses, December, 1897	20. 25 13. 50
28	H J Wahler	Expenses, December, 1897	6.46
20	C. Berlew & Son. Erwin F. Smith et al Library Bureau	Expenses, November, 1897	6.00
	Erwin F. Smith et al	Salaries	1, 132, 60
Mar. 2	Library Bureau	Index cards	1, 132. 60 5. 80
. 4	M. A. Carleton	Salary	93.40
13	M. A. Carleton Merck & Co. Peter Henderson & Co. Oregon and Republican Valley R. R. Co. Henry H. Brown Mackall Bros. & Flemer	Diastase of malt, etc	2.17
14	Oregon and Republican Valley R. P. Co.	Seeds	2.74 3.89
15	Henry H. Brown	Photographic supplies	12.83
	Mackall Bros. & Flemer	Bunsen burner	3. 88
	do	Brushes	. 45
$\frac{17}{20}$	Geo. A. Shehan. Washington Gas Light Co. N. B. Pierce.	Shelving	15.42
23	Washington Gas Light Co	Gas	8. 10
20	do	Salary, January	150, 00 150, 00
31	Erwin F. Smith et al	Salary, January Salary, February Salaries	1, 050, 50
	Total third quarter		4, 839. 50
Apr. 6	W. T. Swingle. Washington Gas Light Co. M. A. Carletondo. N. B. Pierce.	Salary	172. 20
11	Washington Gas Light Co	Gas	8, 80
12	M. A. Uarieton	Salary	103.30
14	N. B. Pierce	Expenses	1.00 150.00
15		Salary Clearing land	65. 00
18	North Eastern R. R. Co.	Passenger transportation	4. 25
19	H. C. Jones	Photographs	3. 15
20	H. C. Jones R. F. Kriegsmann John C. Parker	Services	7.50
22	Z D Cilmore	Book corners Microscope slides	. 50 7. 20
28	Z. D. Gilmore Omaha and Republican Valley R. R. Co	Microscope stides	7.20
30	E. F. Smith et al.	Passenger transportation	3.89 946.10
May 3	E. F. Smith et al. H. H. Brown	Photographic supplies	1. 88
,		Traveling expenses Passenger transportation	1. 88 67. 55
4 5	Jacksonville, Tampa and Key West Rwy	Passenger transportation	2. 20
9	Washington Cas Light Ca	Salary	98. 90
14	M. A. Carleton Washington Gas Light Co Walter T. Swingle M. B. Wait Maddell Rese 6 Filmers	Salary Gas Salary Traveling expenses	7.30 164.80
16	M. B. Wait	Traveling expenses	164. 80
17	Mackall Bros. & Flemer	Pinettes	1. 45
20	Eimer & Amend	Objective	13.30
21	Cambridge Botanical Supply Co	Book	5.00
23	Eimer & Amend Cambridge Botanical Supply Co Louisville Spirit Cured Tobacco Co Swald Weigel Pennsylvania R. R. Co	Pipettes	5. 00
	Daward Weigel	Books Passenger transportation Transportation	12. 63 62. 65
26	Pennsylvania R R Co		

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	VEGETABLI	E PATHOL	OGICAL	INVESTIG	ATION—Con	tinued.	
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						-10	

Date.	Name.	Nature of payment.	Total.
1898.			
May 26	St. Johns and Lake Eustis R. R. Co. Florida Southern R. R. Co.	Passenger transportation	\$2.70
	Norfolk and Washington, D. C., Steamboat	do	3. 20 16. 50
	Co.		
	Southern R. R. Co	do	15. 30
28	Jacksonville, Tampa and Key West Rwy. Co. United States Express Co.		4.65 3.65
31	E. F. Smith et al.	Salaries	1, 018, 39
June 6	M. A. Carleton	Salary	102. 20
	Estler Bros. & Co.		. 35
11	Z. D. Gilman H. H. Brown		4. 90
14	Washington Gas Light Co	Negative preserves	4.10 6.90
16	Mackall Bros. & Flemer	Laboratory supplies	
17	D. G. Fairchilds	Traveling expenses	18.00
18	Mackall Bros. & Flemer	Moth balls.	. 20
	N. B. Piercedo	Salary, April	150.00 150.00
30	E. F. Smith et al	Salaries.	807. 60
	Total fourth quarter		4, 341. 75
	Supplemental.		
July 6	M. A. Carleton	Salary	98, 90
0 415	do	Expenses	2.75
	United States Express Co		1.95
11	H. J. Webber N. B Pierce		6.63 15.20
11	N.B Fierce		13. 20
	do		40.15
	do		15.05
	do	Traveling expenses	5. 60
16	do		12.80 4.00
19	E. Morrison Paper Co	Paper	4, 00
23	Bausch & Lomb Optical Co	Scalpels	1.58
95	Jos. Bridgham		33. 00
25 27	Mackall Bros. & Flemer	Camel's-hair brush	. 18 1. 46
Aug. 1	Walter T. Swingle	Salary	164. 80
3	N. B. Pierce	do	150.00
12	do	Expenses	14. 40
17 19	Frank Dean Adams Express Co	Care of trees	3.00 3.45
27	Fredk, S. Morse		75, 00
21			
	Total		666. 90
		l.	

RECAPITULATION.

First quarter	\$4, 132, 56
Second quarter	4, 942, 17
Third quarter	4, 839. 50
Fourth quarter	4, 341. 75
Supplemental	666, 90
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VEGETABLE PATHOLOGY—RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1897. Aug. 5 Sept. 3	John F. Sheado	do	55. 00
Oct. 2	Total first quarter John F. Sheado		110.00 55.00 55.00
Dec. 3	do	do	55. 00 165. 00

VEGETABLE PATHOLOGY—RENT OF BUILDING—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Jan. 8 Feb. 11 Mar. 14	John F. Sheadodo.	Rent of laboratorydodo	\$55.00 55.00 55.00
Apr. 2 May 7 June 8	Total third quarter	Rent of laboratorydo	165. 00 55. 00 55. 00 55. 00
	Total fourth quarter		165, 00
July 7	John F. Shea	Rent of laboratory	55.00

RECAPITULATION.

First quarter. Second quarter Third quarter Fourth quarter Supplemental	165.00 165.00 165.00
Total	660,00

BIOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1897.		•	
July 21	A. W. Perrion	Birds' stomachs	\$4,80
23	Albert Lano		5,00
24	Outram Bangs	Mammals	10.00
	Thad. Surber.	do	5, 25
	D. E. Noyes	do	5. 50
30	F. Stephens	do	6.00
	E. P. Tyrrell		4. 75
31	R. B. Grubbs et al		673.57
Aug. 2	Vernon Bailey	Salary	168, 50
J	W. K. Fisher	do	100,00
4	W. B. Scott	Mammals	20.00
5	Allen C. Brooks	do	4,00
13	Robt. F. Young	Salary	84.20
	J. A. Loring	do	101, 10
20	Bernard J. Bretherton	Birds' stomachs	. 95
	Fred Stephens		7, 50
	A. R. Shearer		1, 50
	W. B. Scott	Mammals.	19, 20
24	A. K. Fisher	Traveling expenses	57.76
	J. M. Hatch	Birds' stomachs	15, 98
	E. P. Tyrrell	Mammals	1, 25
	W. P. Melvin	Birds' stomachs	2, 65
	W. B. Scott	Mammals.	15, 20
	do		20, 00
25	C. H. T. Townsend	do	6, 50
	W. B. Scott	do	20,00
	M. J. Scollick	Cleaning skulls	15, 00
26	C. Hart Merriam	Traveling expenses	28, 00
	do	do	48.09
31	Harry O. Oberhalser	do	15, 00
	F. P. May & Co	Mouse traps	15,00
	M. J. Scollick	Cleaning skulls	15, 00
	W. B. Scott.	Mammals	19. 20
	E. J. Hardisty	Developing and print'g negatives.	12, 35
	R. B. Grubbs et al	Salaries	561, 60
Sept 3	M. J. Scollick	Cleaning skulls	15.00
	E. W. Nelson	Salary	151, 60
	E. A. Goldman	do	101.10
4	Robt. T. Young	do	84.20
	W. K. Fisher	do	100.00

BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Sept. 4	E. A. Goldman E. W. Nelson	Salary	\$101.10
_	E. W. Nelson	do	151.60 168.50
	Vernon Bailey	do	168.50
7	Vernon Baney. J. A. Loring A. K. Fisher. Robt. T. Young F. P. May & Co. C. Hart Merriam Mackall Bros. & Flemer. W. B. Scott. F. A. Proble.	Travalina arranga	101. 10
	Roht T. Vonng	Traveling expenses	80. 98 22. 70
10	F P. May & Co.	Mouse traps	18.00
13	C. Hart Merriam	Traveling expenses	230.00
18	Mackall Bros. & Flemer	Corks	21.55
20	W. B. Scott	Corks Mammals Traveling expenses	20.00
ľ	E. A. Prebledo	Liaveling expenses	8. 90
	do	do	23. 50 12. 85
21	F. Stephens	Mammals	4. 00
22	F. Stephens E. P. Tyrrell. Lehigh Valley R. R. Co. Pennsylvania R. R. Co. Northern Pacific Rwy. Co. Central Washington R. R. Co.	do	3, 50
24	Lehigh Valley R. R. Co	Passenger transportation	11. 20
	Pennsylvania R. R. Co	do	14. 25
	Northern Pacific Rwy. Co	do	39.65
	Central Washington R.R.Co	do	4. 10
30	R. B. Grubbs et al	Salaries	580. 80
	Total first quarter		4, 160. 49
	10tai mst quartei		1, 100. 49
Oct. 1	Dane Coolidge	Mammals	18. 70
	J. C. Ingersoll B. L. Cunningham K. F. Beale M. J. Scollick	do	13. 50
	B. L. Cunningham	do	9.75
	K. F. Beale	Birds'stomachs	6, 60
	M.J. Scotnekdo	Cleaning skulls	15.00
	C F Storks	do do Birds stomachs	15. 00 15. 00
2	C. F. Starks J. H. Riley E. W. Nelson	Birds'stomachs	3, 75
- 1	E. W. Nelson	Salary	3. 75 146. 80
	Vernon BaileyBaltimore and Ohio R. R. Co	Passenger transportation	163. 00 73. 50
5	Baltimore and Ohio R. R.Co	Passenger transportation	¹ 73. 50
6	Dane Coolidge	Mammalsdo	19.95
	do	Classic a shalls	19.60
7.	Dane Coolidge do B. F. Wall C. Hart Merriam	Traveling avnerges	15. 00 46. 75
9	J A Loring	Salary	$1_{97.80}^{46.75}$
11	J. A. Loring C. Hart Merriam	Traveling expenses	57. 40
	do	Cleaning skulls Traveling expenses Salary Traveling expenses do Cleaning skulls	36. 50
16	B. F. Wall	Cleaning skulls	15.00
0.0	M. J. Scollick	do	15.00
$\frac{20}{21}$	J. H. Keen R. T. Young	do	7.75 81.60
21	do	Traveling expenses. Cleaning skulls. Mammals Cotton	41. 75
22	J. S. Hodge	Cleaning skulls.	15. 00
	K. F. Beale	Mammals	5, 00
	Mackali Bros. & Flemer	Cotton	5. 20
23	F. E. Frobese	Mammals	5. 00
0.5	A. R. Shearer	Birds' stomachs	1.50 2.42
25	Philadelphia, Wilmington and Baltimore R. R. Co.	Transportation	2.42
	A. K. Fisher	Traveling expenses	114.50
	Northern Pacific Rwy, Co	Traveling expenses	28, 50
•	do	do	22. 65 6. 60
1	Canadian Pacific Rwy. Co The Washington and Columbia River Rwy.	do	6. 60
	The Washington and Columbia River Rwy.	do	1.75
	Co. Southern Pacific Co	do	1.05
28	A. K. Fisher	Traveling expenses	41.00
30	E. A. Goldman	Salary	97.80
	P P Cambbo et al	Salary Salaries Salaries	515, 40
Nov. 1	Vernon Bailey E. W. Nelson	Mammals	18.00 168.50
	Vernon Bailey	Salary	168.50
	E. W. Nelson	do	151.60
	W. A. Pate E. A. Goldman	Excelsior	1. 94 101. 10
	J. A. Loring	do	101. 10
4	J. A. Loring O. A. Peterson	Salary	18.00
1	Thad. Surber	do	11.00
9	Thad. Surber Mackall Bros. & Flemer	Arsenic Hardware	5.18 1.30
	Rudolph, West & Co	Hardware	1.30
10	O A Peterson	Mammals	12.00
20	Chicago, Burlington and Northern R. R. Co.	Passenger transportation	29.00
	Great Northern Rwy. Co Northern Pacific Rwy. Co A. R. Shearer	do	101. 90 77. 20

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BIOLOGICAL INVESTIGATIONS—Continued.

Dat	e.	Name.	Nature of payment.	Total.
1897	,			
Nov.	22	Thad. Surber	Mammals	\$12.00
21011	23	Dobt T Vonna	Salary	46. 20
		J. M. Brown B. B. Grubbs et al E. P. Tyrrell C. Hart Merriam Vernon Bailey	Mammals	1.00
Dec.	30	E. P. Tyrrell	Salaries Mammals	499. 20 10. 40
Dec.	1	C. Hart Merriam	Traveling expenses	17. 00
		Vernon Bailey	Salary	163.00
	2	Z. D. Gilman	Tow, forceps, etc	12. 42
		Z. D. Gliman Wisconsin Central Line Oregon R. R. and Navigation Co do L. W. Nelson A. H. Norton	Passenger transportationdo	29.00 68.97
		oregon R. R. and Navigation Co.	do	3.77
	6	E. W. Nelson	Salary	146.80
	8	A. H. Norton	Stomachs of birds and mammals	1.30
		A. W. Culp Southern Pacific Co	Mammals Passenger transportation	3.00
		Creat Northern Rwy Co	do	15.85 80.35
		Great Northern Rwy. Co. Adams Express Co. E. A. Goldman Z. D. Gilman	do Transportation Salary Pincers	76.45
	11	E. A. Goldman	Salary	97.80
	14	Z.D. Gilman	Pincers	1.00
	16 17	Edmund Heller	Mammals	12.50
	20	B. L. Cunningham	do	5. 00 25. 00
		E. E. Fast	do	18.00
		B. L. Cunnigham A. H. Moore E. E. Fast E. P. Tyrrell J. M. Hatch	do	1.00
		J. M. Hatch	Birds' stomachs	3.30
	31	J. A. Loring R. B. Grubbs et al	Salary Salaries	97. 80 471. 96
	91	n. b. Grubbs et al	Salaries	471.90
		Total second quarter		4, 617. 46
1898		Vannan Dallan	Colomy	100.50
Jan.	3	Vernon Bailey	Salarydo	168, 50 151, 60
	5	E. W. Nelson Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation	29. 00
		Illinois Central R. R. Co	do	30, 25
	7	E. A. Goldman	Salary Birds' stomachs	101.10
	10	R. H. Howe, jr	Birds' stomachs	3. 30
		A. W. Perrior W. A. Mayer A. R. Shearer Alaska Commercial Co	do	3. 57
		A. R. Shearer	do	4.40 7.45
	18	Alaska Commercial Co	Mammals.	20.00
		H. D. Langille Central Washington R. R. Co Southern Pacific Co	do	9.50
	20	Central Washington R. R. Co	Passenger transportation	4. 10
	27	Alaska Commercial Co	Mammals	3. 23 16. 00
	21	E. E. Fast	do	3. 50
	31	S. D. Judd et al	Salaries	458. 30
Feb.	2	E. W. Nelson	Salary	155.00
		Vernon Bailey E. A. Goldman A. R. Shearer	do	172. 20
	3	A R Shearer	do	103.30 6.85
		Peter Schmid	Mammals	9. 00
	11	Peter Schmid E. Morrison Paper Co	Red paper Mammals do	. 90
	15	Thad Surber	Mammals	5.00
	17	A. E. Preble W. J. Yeager	do	11. 25 3. 00
	1	W. J. Yeager A. H. Helme W. A. Mayer	Birds' stomachs	1.60
	}	W A. Mayer	do	10.58
		J. C. McConnell H. A. Gaylord	Drawings	10.25
	21 23	H. A. Gaylord	Mammals	24.90
	23	Southern Pacific Co. The Denver and Rio Grande R. R. Co.	Passenger transportationdo	8. 67 9. 00
		The Rio Grande and Western Rwy. Co.	do	9.00
	28	Vernon Bailey	Salary	155. 60
		The Rio Grande and Western Rwy. Covernon Bailey E. W. Nelson S. D. Judd et al	do	140.00
Mar.	7	S. D. Judd et al	Salaries	468. 40
mar.	1 5	F. C. Parks Z. D. Gilman	Mammals	1.00 24.75
	9	Mackall Bros. & Flemer	Glass tubes	5. 54
	17	B. L. Cunningham Peter Schmid	Mammals	11.75
		Peter Schmid	do	5, 25
	91	Thad. Surber.	do	5. 50
	21 23	Thad. Surber D. W. Beveridge W. A. Mayer	Wire Birds' stomachs	4, 00 18, 43
			DIINO SUUHAUHS	
	25 31	E. A. Goldman	Salarydo	93.40

40 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

BIOLOGICAL INVESTIGATIONS-Continued.

E. W. Nelson 'ernon Bailey . D. Judd et al Total third quarter . H. Carr . M. Hearndon . M. Byram 'eter Schmid 'haddeus Surber . Hee Co . Index Surber . S. Brimley . S. Brimley . S. Brimley . D. Judd et al . A. Goldman . Cernon Bailey . W. Nelson . Llaska Commercial . P. May & Co . Mackall Bros. & Flemer . P. May & Co . Mackall Bros. & Flemer . P. Co . W. Knox Express Co . C. P. Clarke V. D. Dawson . Drist. Hansen . Ibrary Bureau . H. C. Overhalser V. P. Melville . A. Anderson . D. Judd et al . Cernon Bailey . A. Goldman . Cernon Bailey . A. Goldman . W. Nelson . L. Cunningham . Mackall Bros. & Flemer . R. Buckelew . Cred. A. Schmidt . C. Overholser	Birds' stomachs	\$155.00 172.20 518.33 3,436.7: 3.66 2.00 3.00 7.00 4.55 1.11.5 3.00 1.55 6.00 496.2 2.56 98.99 1.64.8 2.56 3.20 0.20 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.7
/ernon Bailey . D. Judd et al . Total third quarter . H. Carr . M. Hearndon . M. Byram . eter Schmid . haddeus Surber . eter Schmid haddeus Surber . eter Schmid hackall Bros. & Flemer . V. J. Yeager . eter Schmid hos. Hayes . S. Brimley . D. Judd et al . A. Goldman . ernon Bailey . W. Nelson . llaska Commercial . P. May & Co . Mackall Bros. & Flemei . ete. W. Knox Express Co . R. Clarke V. D. Dawson . hirst. Hansen . hirst. Hansen . hirst. Hansen . ibrary Bureau I. C. Overhalser V. P. Melville . A. Anderson . D. Judd et al . Vernon Bailey . A. Goldman . Urnon Bailey . A. Cunningham . Mackall Bros. & Flemer . R. Lucholser . R. Buckelew . Pred. A. Schmidt . C. Overhoiser	Birds' stomachs	172. 24 518. 33 3, 436. 7: 3. 64 2. 00 2. 00 4. 55 1. 1: 3. 2: 3. 00 1. 55 11. 50 98. 99 164. 88 148. 33 92. 00 1. 77 8. 00 10. 00 480. 55 170. 4 102. 2 153. 4 8. 55 7. 55
D. Judd et al Total third quarter. M. H. Carr. M. Hearndon. M. Byram eter Schmid. Chaddeus Surber. Heo. H. Lee Co Aackall Bros. & Flemer. V. J. Yeager eter Schmid. Chos. Hayes. S. Brimley. D. Judd et al A. Goldman ernon Bailey M. N. Nelson Maska Commercial. P. P. May & Co Aackall Bros. & Flemer. V. D. Dawson Christ. Hansen dibrary Bureau J. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al E. Goldman J. D. Judd et al J. D. Judd J. C. Overhalser J. C. Overhalser J. D. Judd et al J. J. J. Judd et al J. Judd et al J. Judd et al J. Judd et al J. J. Judd et al J. Judd et al J. Judd et al J. Judd et al J. J	Birds' stomachs	518. 3d
Total third quarter. k. H. Carr M. Hearndon. M. Byram "eter Schmid. haddeus Surber ieo, H. Lee Co fackall Bros. & Flemer. V. J. Yeager eter Schmid. hos. Hayes S. Brimley D. Judd et al A. Goldman ernon Bailey W. Welson Mackall Bros. & Flemei ieo. W. Knox Express Co V. D. Dawson harist. Hansen ibrary Bureau L. C. Overhalser V. P. Melville A. Anderson D. Judd et al Cernon Bailey L. C. Ourlingham fansen J. P. May J. P. May J. P. May J. P. May J. P. Melville J. A. Anderson J. D. Judd et al Judd et al J. P. Moren J. D. Judd et al J. P. Moren J. J. Judd et al J. P. Moren J. J. Judd et al J. P. Moren J. J. Judd et al J. J. Judd et al J. W. Nelson J. L. Cunningham J. L. Cunningham J. Mackall Bros. & Flemer J. R. Buckelew Tred. A. Schmidt L. C. Overhoiser	Birds' stomachs	3, 436. 7: 3. 6(6) 3. 00 7. 00 4. 5: 1. 1: 3. 0: 1. 5: 11. 5: 11. 5: 16. 0: 98. 91 164. 8: 148. 3: 2. 5: 32. 0: 1. 77 8. 0: 10. 0: 480. 5: 170. 4: 8. 5: 170. 4: 8. 5: 170. 4: 8. 5: 170. 5:
k. H. Carr	Birds' stomachs. Mammals dododododo. Gopher killer, ete Soda, lime, and alum Mammalsdo	3.6 2.0 3.0 7.0 4.5 7.1 1.1 1.1 3.2 3.0 1.5 6.0 4.6 2.9 9.9 9.1 6.4 8 148.3 92.0 1.7 8.0 0 10.0 2.5 38.8 3.1 30.0 480.5 170.2 153.4 8.5 7.5
M. Hearndon. J. M. Byram Peter Schmid. Laddeus Surber Jeo. H. Lee Co Jackall Bros. & Flemer V. J. Yeager Jeter Schmid. Los Hayes J. S. Brimley J. J. Judd et al J. A. Goldman Jernon Pailey J. W. Nelson J. W. Nelson J. P. May & Co J. Mackall Bros. & Flemei Jeo. W. Knox Express Co J. P. Clarke V. D. Dawson Jhrist. Hansen Jibrary Bureau J. C. Overhalser J. D. Judd et al J. D. Judd et al J. D. Juddes J. Judes J. J	Mammals . do . d	2.0 3.0 7.0 4.5 1.1 1.5 6.0 496.2 98.9 164.8 148.3 92.0 38.5 2.5 32.0 1.7 8.0 10.0 480.5 130.4 100.2 1
i. M. Byram eveter Schmid. chaddeus Surber. ieo. H. Lee Co	do do do do do do do Gopher killer, etc Soda, lime, and alum Mammals do do do do do Salaries Salary do do Mammals Traps Bottles, corks, etc Transportation Thread Manumals Thread Manumals Traps Salaries Salary do do do do do do do Mammals Traps Bottles, corks, etc Transportation Thread Salaries Salaries Salaries Salaries Salary do do do Mammals Formalin and cotton Letter paper Tabe puessures and dividers	3.0 7.0 4.5 1.1 3.2 3.0 0 4.0 4.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1
haddeus Surber ieo, H. Lee Co Aackall Bros, & Flemer. V. J. Yeager 'eter Schmid. hos. Hayes S. Brimley S. D. Judd et al A. Goldman Fernon Bailey S. W. Nelson Alaska Commercial P. P. May & Co Aackall Bros, & Flemer Seo, W. Knox Express Co R. P. Clarke V. D. Dawson Christ, Hansen Jibrary Bureau L. C. Overhalser V. P. Melville A. A. Anderson J. D. Judd et al Cernon Bailey S. W. Kloso S. W. Company S. W. A. Goldman S. W. Nelson J. L. Cunningham Aackall Bros, & Flemer A. R. Buckelew Fred. A. Schmidt L. C. Overhoiser J. C. Overhoiser J. R. Suckelew J. R. Suckelew J. R. Schmidt J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. R. Suckelew J. R. Suckelew J. R. Suckelew J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. L. Coverhoiser J. L. Coverhoiser	do Gopher killer, etc Soda, lime, and alum Mammals do do do do do Salaries Salary do Mammals Traps Bottles, corks, etc Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Salary do Mammals Traps Traveling expenses Birds' stomachs Salary do Mammals Traveling expenses Birds' stomachs Salary do Mammals Tomanin and cotton Letter paper	7. 0 4. 5 3. 0 1. 1 1. 1. 5 6. 0 496. 2 98. 9 164. 8 148. 3 92. 0 38. 5 2. 5 2. 5 32. 0 1. 7 8. 0 0 2. 5 38. 8 3. 1 30. 0 490. 2 5 5 170. 4 4 10. 0 4 10. 0 4 10. 0 10. 0 4 10. 0 10. 0 10. 0 4 10. 0 10. 0
haddeus Surber ieo, H. Lee Co Aackall Bros, & Flemer. V. J. Yeager 'eter Schmid. hos. Hayes S. Brimley S. D. Judd et al A. Goldman Fernon Bailey S. W. Nelson Alaska Commercial P. P. May & Co Aackall Bros, & Flemer Seo, W. Knox Express Co R. P. Clarke V. D. Dawson Christ, Hansen Jibrary Bureau L. C. Overhalser V. P. Melville A. A. Anderson J. D. Judd et al Cernon Bailey S. W. Kloso S. W. Company S. W. A. Goldman S. W. Nelson J. L. Cunningham Aackall Bros, & Flemer A. R. Buckelew Fred. A. Schmidt L. C. Overhoiser J. C. Overhoiser J. R. Suckelew J. R. Suckelew J. R. Schmidt J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. R. Suckelew J. R. Suckelew J. R. Suckelew J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. C. Overhoiser J. L. Coverhoiser J. L. Coverhoiser	do Gopher killer, etc Soda, lime, and alum Mammals do do do do do Salaries Salary do Mammals Traps Bottles, corks, etc Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Salary do Mammals Traps Traveling expenses Birds' stomachs Salary do Mammals Traveling expenses Birds' stomachs Salary do Mammals Tomanin and cotton Letter paper	4.5 1.1 3.2 3.0 1.5 6.0 6.0 4.96 2.98 9.9 164 8.8 148 3 92 0 1.7 8 0 10 0 480 5 38.8 3 1 30 0 480 5 7 7 5 7 5 7 7 5
ieo, H. Lee Co Aackall Bros. & Flemer. V. J. Yeager 'eter Schmid. Thos. Hayes S. S. Brimley S. S. Brimley D. Judd et al A. Goldman 'ernon Bailey S. W. Nelson Maska Commercial P. P. May & Co Mackall Bros. & Flemen Heo. W. Knox Express Co D. Dawson Drist. Hansen Horary Burcau H. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al 'ernon Bailey L. Goldman S. W. Nelson S. W. Nelson B. L. Cunningham Mackall Bros. & Flemer R. Buckelew 'red. A. Schmidt L. C. Overhoiser R. L. C. Overhoiser R. Buckelew 'red. A. Schmidt L. C. Overhoiser R. L. C. Overhoiser	Gopher killer, etc Soda, lime, and alum Mammalsdodododododosalaries Salarydo	1. 1 3. 2 3. 0 1. 5 6. 0 496. 2 98. 9 91. 64. 8 148. 3 92. 0 38. 5 2. 5 32. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
eter Schmid. hos. Hayes J. S. Brimley J. D. Judd et al L. A. Goldman ernon Bailey J. W. Nelson Haska Commercial P. P. May & Co Mackall Bros. & Flemen Hee. W. Knox Express Co J. P. Clarke V. D. Dawson Dirist Hansen Jibrary Burcau J. C. Overhalser V. P. Melville J. A. Anderson J. D. Judd et al ernon Bailey J. W. Nelson J. C. Cunningham Mackall Bros. & Flemer J. R. Buckelew Pred. A. Schmidt J. C. Overhoiser J. C. Overhoiser	do salaries Salary do do Mammals Traps. Bottles, corks, etc Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do do Mammals Formalin and cotton Letter paper	3. 0 1.5 6.0 496.2 98. 9 164.8 38. 5 2. 5 32. 0 10. 0 2. 5 38. 5 31. 1 30. 0 480. 5 170. 4 102. 2 153. 4 102. 5 170. 6 170. 6 17
eter Schmid. hos. Hayes J. S. Brimley J. D. Judd et al L. A. Goldman ernon Bailey J. W. Nelson Haska Commercial P. P. May & Co Mackall Bros. & Flemen Hee. W. Knox Express Co J. P. Clarke V. D. Dawson Dirist Hansen Jibrary Burcau J. C. Overhalser V. P. Melville J. A. Anderson J. D. Judd et al ernon Bailey J. W. Nelson J. C. Cunningham Mackall Bros. & Flemer J. R. Buckelew Pred. A. Schmidt J. C. Overhoiser J. C. Overhoiser	do salaries Salary do do Mammals Traps. Bottles, corks, etc Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do do Mammals Formalin and cotton Letter paper	1. 5 11. 5 6. 0 496. 2 98. 9 164. 8 148. 3 92. 0 38. 5 2. 5 2. 5 32. 0 10. 0 2. 5 38. 8 38. 8 31. 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
hos. Hayes S. B. Brimley D. Judd et al A. Goldman Fernon Bailey W. Nelson Alaska Commercial P. P. May & Co. Mackall Bros. & Flemet Heo. W. Knox Express Co. R. P. Clarke W. D. Dawson Christ. Hansen Horary Burcau H. C. Overhalser W. P. Melville A. Anderson D. Judd et al Fernon Bailey E. A. Goldman W. W. Nelson B. L. Cunningham Mackall Bros. & Flemer R. Buckelew Fred. A. Schmidt L. C. Overhoiser	do do do do Salaries Salary do do do mammals Traps Bottles, corks, etc Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Salaries Salary do Mammals Formalin and cotton Letter paper	11. 5 6. 0 496. 2 98. 9 164. 8 148. 3 92. 0 38. 5 2. 5 32. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
S. S. Brimley D. J. Judde et al A. Goldman Fernon Bailey S. W. Nelson Maska Commercial P. P. May & Co Ackall Bros. & Flemer Heckell Bros. & Hersell Heckell Bros. & Flemer Heckell Bros. & Flemer R. Buckelew Hed. A. Schmidt Hersell Bros. & Hemer Hersell Bros. & Hemer Hersell Bros. & Hemer Hersell Bros. & Hemer	do Salaries Salary do do do Mammals Traps. Bottles, corks, etc. Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do Mammals Formalin and cotton Letter paper Tabe engasures and dividers	6. 0 496. 2 98. 9 164. 8 148. 3 92. 0 38. 5 2. 5 32. 0 10. 0 2. 5 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 5 7. 5
ernon Bailey J. W. Nelson Alaska Commercial P. P. May & Co Mackall Bros. & Flemen eo. W. Knox Express Co P. Clarke V. D. Dawson Dirist. Hansen Jibrary Burcau J. C. Overhalser V. P. Melville J. A. Anderson J. D. Judd et al Jernon Bailey J. A. Goldman J. W. W. Melson J. L. Cunningham Mackall Bros. & Flemer J. R. Buckelew Pred. A. Schmidt J. C. Overhoiser	do do do Mammals Traps. Bottles, corks, etc. Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do Mammals Formalin and cotton Letter paper Tabe engasures and dividers	496, 2 98, 9 164, 8 148, 3 92, 0 38, 5 2, 5 2, 5 32, 0 1, 7 8, 0 2, 5 38, 8 3, 1 30, 0 480, 5 170, 4 8, 5 7, 5
ernon Bailey J. W. Nelson Alaska Commercial P. P. May & Co Mackall Bros. & Flemen eo. W. Knox Express Co P. Clarke V. D. Dawson Dirist. Hansen Jibrary Burcau J. C. Overhalser V. P. Melville J. A. Anderson J. D. Judd et al Jernon Bailey J. A. Goldman J. W. W. Melson J. L. Cunningham Mackall Bros. & Flemer J. R. Buckelew Pred. A. Schmidt J. C. Overhoiser	do do do Mammals Traps. Bottles, corks, etc. Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do Mammals Formalin and cotton Letter paper Tabe engasures and dividers	164. 8 148. 3 92. 0 38. 5 2. 5 32. 0 1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
S. W. Nelson Llaska Commercial P. P. May & Co. Aackall Bros. & Flemer Feo. W. Knox Express Co. R. P. Clarke V. D. Dawson Phrist. Hansen Library Bureau L. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al Fernon Bailey Render Berner V. W. Nelson L. C. Wenlson Reckall Bros. & Flemer R. Buckelew Pred. A. Schmidt L. C. Overhoiser	do Mammals Traps Bottles, corks, etc. Transportation Thread Mammals do Label holder Traveling expenses Birds' stomachs Sadale Salaries Salary do Mammals Formalin and cotton Letter paper	148. 3 92. 0 38. 5 2. 5 32. 0 1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 5. 7. 5 10. 0
f. P. May & Co. Aackall Bros. & Flemen ieo. W. Knox Express Co. R. P. Clarke. V. D. Dawson Ibrist. Hansen ibrary Bureau I. C. Overhalser V. P. Melville. A. A. Anderson I. D. Judd et al ernon Bailey E. A. Goldman I. W. Nelson I. C. Uunningham Aackall Bros. & Flemer I. R. Buckelew Fred. A. Schnidt I. C. Overhoiser	Traps. Bottles, corks, etc. Transportation Thread Mammalsdo Labet holder. Traveling expenses. Birds' stomachs. Saddle. Salaries. Salarydodo Mammals. Formain and cotton Letter paper. Tane measures and dividers.	92. 0 38. 5 2. 5 32. 0 1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5 10. 0
f. P. May & Co. Aackall Bros. & Flemen ieo. W. Knox Express Co. R. P. Clarke. V. D. Dawson Ibrist. Hansen ibrary Bureau I. C. Overhalser V. P. Melville. A. A. Anderson I. D. Judd et al ernon Bailey E. A. Goldman I. W. Nelson I. C. Uunningham Aackall Bros. & Flemer I. R. Buckelew Fred. A. Schnidt I. C. Overhoiser	Traps. Bottles, corks, etc. Transportation Thread Mammalsdo Labet holder. Traveling expenses. Birds' stomachs. Saddle. Salaries. Salarydodo Mammals. Formain and cotton Letter paper. Tane measures and dividers.	38. 5 2. 5 32. 0 1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 8. 5 7. 5 10. 0
V D. Dawson Darist, Hansen Library Bureau L. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al ernon Bailey E. A. Goldman E. W. Nelson B. L. Cunningham Mackall Bros. & Flemer R. Buckelew red. A. Schnidt L. C. Overhoiser	Manimals	32. 0 1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5 10. 0
V D. Dawson Darist, Hansen Library Bureau L. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al ernon Bailey E. A. Goldman E. W. Nelson B. L. Cunningham Mackall Bros. & Flemer R. Buckelew red. A. Schnidt L. C. Overhoiser	Manimals	1. 7 8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5 10. 0
hrist. Hansen Library Bureau I. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al ernon Bailey E. A. Goldman E. W. Nelson B. L. Cunninghan Mackall Bros. & Flemer R. Buckelew Fred. A. Schmidt I. C. Overholser	do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do Mammals Formalin and cotton Letter paper Tane preasures and dividers	8. 0 10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
hrist. Hansen Library Bureau I. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al ernon Bailey E. A. Goldman E. W. Nelson B. L. Cunninghan Mackall Bros. & Flemer R. Buckelew Fred. A. Schmidt I. C. Overholser	do Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do Mammals Formalin and cotton Letter paper Tane preasures and dividers	10. 0 2. 5 38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
ibrary Bureau I. C. Overhalser V. P. Melville A. A. Anderson D. Judd et al ernon Bailey E. A. Goldman D. W. Nelson B. L. Cunningham Mackall Bros. & Flemer R. Buckelew Fred. A. Schmidt I. C. Overhoiser	Label holder Traveling expenses Birds' stomachs Saddle Salaries Salary do do Mammals Formalin and cotton Letter paper Tane pneasures and dividers	38. 8 3. 1 30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5 10. 0
A. A. Anderson. D. Judd et al. /ernon Bailey E. A. Goldman. D. W. Nelson. L. Cunningham dackall Bros. & Flemer. R. Buckelew. /red. A. Schmidt. L. C. Overhoiser.	Saddle Salaries Salary do Manmals Formalin and cotton Letter paper Tane pressures and dividers	3, 1 30, 0 480, 5 170, 4 102, 2 153, 4 8, 5 7, 5
A. A. Anderson. D. Judd et al. /ernon Bailey E. A. Goldman. D. W. Nelson. L. Cunningham dackall Bros. & Flemer. R. Buckelew. /red. A. Schmidt. L. C. Overhoiser.	Saddle Salaries Salary do Manmals Formalin and cotton Letter paper Tane pressures and dividers	30. 0 480. 5 170. 4 102. 2 153. 4 8. 5 7. 5
. D. Judd et al Vernon Bailey 2. A. Goldman 2. W. Nelson 3. L. Cunningham Jackall Bros. & Flemer R. Buckelew Fred. A. Schmidt J. C. Overholser	Salaries Salarydodo Manmals Formalin and cotton Letter paper Tane pressures and dividers	480. 5 170. 4 102. 2 153. 4 8. 5 7. 5 10. 0
/ernon Bailey E. A. Goldman M. W. Nelson L. Cunningham Mackall Bros. & Flemer R. Buckelew Pred. A. Schmidt L. C. Overhoiser	Salary do do do Mammals Formalin and cotton Letter paper Tape pressures and dividers	170. 4 102. 2 153. 4 8. 5 7. 5
£ A. Goldman 2. W. Nelson 3. L. Cunningham dackall Bros. & Flemer . R. Buckelew 'red. A. Schmidt I. C. Overhoiser	dododo	153. 4 8. 5 7. 5 10. 0
3. L. Cunningham Mackall Bros. & Flemer R. Buckelew 'red. A. Schmidt I. C. Overhoiser	Mammals Formalin and cotton Letter paper Tape measures and dividers	8.5 7.5 10.0
R. Buckelew Fred. A. Schmidt I. C. Overholser	Tape measures and dividers	7. 5 10. 0
R. Buckelew Fred. A. Schmidt I. C. Overholser	Tape measures and dividers	10.0
I. C. Overholser	Tape measures and dividers	
1. C. Overhoiser	Evnencee	12.8
Unwat Llangen	Mammals	15. 0
Phrist. Hansen	do	2. 0 17. 5
r. W. Koch F. Stephens	do	12.0
t. C. Overholser	Traveling expenses	30.3
V. A. Mayer 3. L. Cunningham ulius Biew & Co	Birds' stomachs	$ \begin{array}{c} 10.1 \\ 2.7 \end{array} $
ulius Riew & Co	Mammals	35. 0
Geo. M. Byram	Mammals	14.0
Geo. M. Byram Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation	57. 9
Baltimore and Ohio R. R. Co C. McConnell Vernon Bailey	do	78.5
. C. McConnell	Drawings	20. 0 164. 8
F A Coldman	Salary	08 0
E. W. Nelson	do	98 9 148. 3
Walter K. Fisher	do	100.0
3. D. Judd et al	Salaries	520.9
Total fourth quarter		3, 487. 5
Supplemental.		
Ino. Schmitt	Boxes.	6, 3
3. M. Byram	Mammals.	14.0
C. P. Streator	do	19. 5
P. May & Co	Trans	3. 6 19. 7
Inited States Express Co	Transportation.	20. 4
C. McConnell	Duomingo	7.0
I. C. Overholser	Traveling expenses	50, 7
		15. 0 16. 2
7. T. Dallman	Mammals	19. 5
E. J. Pullman		30. 2 8. 6
E. J. Pullman C. P. Streator Chicago, Burlington and Quinev R. R. Co	Passenger transportation	8. 6
5. J. Pullman C. P. Streator. Dhicago, Burlington and Quincy R. R. Co P. May & Co. Adams Express Co.	Passenger transportation. Camp outfit. Transportation.	14. 5
DE WAS LEED THE	A. Goldman W. Nelson Valter K. Fisher D. Judd et al Total fourth quarter Supplemental. no. Schmitt M. Byram P. Streator P. May & Co. C. McConnell inited States Express Co. C. McConnell C. Overholser	A. Goldman

$\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for fiscal year ending June~30,~1898--Cont'd.}$

BIOLOGICAL INVESTIGATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 24 Sept. 10 23 24	Bausch & Lomb Optical Co W. K. Fisher	Passenger transportation Transportation	25.00

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter	4, 617. 46 3, 436. 72 3, 487. 58
Supplemental	328.75

POMOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897.			
July 29	Alex. Schmid	Mailing boxes	\$27.00
31	Wm. P. Corsa et al	Salaries	656. 50
Aug. 13 25	T. T. Lyon	Salary	75. 80
28	E. Morrison Paper Co. Adams Express Co.	Herbarium paper, etc Transportation	15. 50 1. 35
31	Wm. P. Corsa et al	Salaries	555, 50
Sept. 3	Library Bureau	Index cards	6. 75
11	T. T. Lyon	Salary	75.80
. 30	Wm. P. Corsa et al	Salaries	539. 00
	· Total first quarter		1, 953. 30
Oct. 1	Jno. C. Parker	Paper	3. 80
2	Adams Express Co	Transportation	1. 25
4 8	G. B. Brackett	Traveling expenses	13. 75
22	T. T. Lyons E. Morrison Paper Co	Salary Mailing cards	73. 40 12. 00
25	St. Louis, Keokuk and Northwestern R.R.Co.	Passenger transportation	14. 05
30	Wm. P. Corsa et al	Salaries	536. 29
Nov. 2	Wm. A. Taylor	Traveling expenses	6.05
6	do	do	7.10
10 19	T. T. Lyon Jno. C. Parker	Salary	75. 80
30	Wm. P. Corsa et al	Paper	2. 40 479. 60
Dec. 2	Pittsburg, Cincinnati, Chicago and St. Louis	Passenger transportation	12. 75
	R. R. Co.	See the see that	
9	T. T. Lyon	Salary	73.40
. 18	Library Bureau	Guides	5.00
91	Wm. P. Corsa et al	Salaries	495. 20
	Total second quarter		1,811.84
1898.			
Jan. 8	T. T. Lyon	Salary	75. 80
22	E. Morrison Paper Co	Herbarium paper	9. 50
Feb. 1	Wm. P. Corsa et al Library Bureau	Salaries Index cards	454. 80 9. 00
11	E. Morrison Paper Co	Drying sheets	3.50
	T. T. Lyon	Salary	77. 50
28	Wm. P. Corsa et al	Salaries	410.40
Mar. 9	1. 1. Lyon	Salary	70.00
26	Fred Reh	Boxes	8.10
30	E. S. Sehmid E. J. Wickson	Labels	3.00 69.35
31	Wm. P. Corsa et al	Salary Salaries	454. 80
	Total third quarter		1, 645. 75
Apr. 2	Alex. Schmid	Strawboard boxes	10, 00
8	T. T. Lyon	Salary	77. 50
16	J. C. Parker	Record books	2, 00

40 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

BIOLOGICAL INVESTIGATIONS-Continued.

	1		
Date.	Name.	Nature of payment.	Total.
1898.			
Mar. 31	E. W. Nelson	Salary	\$155,00
	E. W. Nelson Vernon Bailey S. D. Judd et al	do	172, 20
1	S. D. Judd et al	Salaries	518.30
	Total third quarter		3, 436. 72
Apr. 1	R. H. Carr	Birds' stomachs	3. 60
2	J. M. Hearndon G. M. Byram	Mammalsdo ,	2.00
15	G. M. Byram	do ,	3, 00
	Peter Schmid.	do	7. 00 4. 50
19	Thaddeus Surber Geo. H. Lee Co Mackall Bros. & Flemer	Gopher killer, etc	1. 15
22	Mackall Bros. & Flemer.	Soda, lime, and alum	3, 25
29	W. J. Yeager Peter Schmid	Mammals	3.00
	Thos. Haves.	do	1.50 11.50
	Thos. Hayes. C. S. Brimley S. D. Judd et al	do	6,00
30			496, 20 98, 90
	Vernon Bailey	do	164. 80
2.5	Vernon Bailey E. W. Nelson Alaska Commercial	do	148.30
May 4	Alaska Commercial	Mammals	92. 00 38. 55
5	R. P. May & Co. Mackall Bros. & Flemer. Geo. W. Knox Express Co. R. P. Clarke	Bottles, corks, etc.	2.50
9	Geo. W. Knox Express Co	Transportation	32. 09
$\frac{17}{20}$	R. P. Clarke	Transportation Thread Mammals	1.70
20	W. D. Dawson Christ. Hansen	Mammaisdo	8. 00 10. 00
	Library Bureau H. C. Overhalser	Label holder	2. 50
21	H. C. Overhalser	Traveling expenses	38, 87
24	W. P. Melville A. A. Anderson	Birds' stomachs	3. 15 30. 00
31	S. D. Judd et al	Salaries	480.51
June 2	S. D. Judd et al Vernon Bailey E. A. Goldman	Salaries Salary do	170. 40 102. 20
	E. W. Nelson	do	153. 40
	E. W. Nelson B. L. Cunningham Mackall Bros. & Flemer J. R. Buckelew	Mammals	8.50
6	Mackall Bros. & Flemer	Formalin and cotton	7. 55 10. 08
11	Fred, A. Schmidt	Letter paper Tape measures and dividers	12. 82
18	H. C. Overholser		15.00
20	Christ. Hansen F. W. Koch	Expenses Mammalsdodo Traveling expenses Birds' stomachs Mammals	2.00 17.50
	F Stonbone	do	12.00
	H. C. Overholser W. A. Mayer B. L. Cunningham Julius Biew & Co	Traveling expenses	30.38
21	W. A. Mayer	Manufacture Manufa	10. 13 2. 75
21	Julius Biew & Co	Map	35.00
22	Geo. M. Byram	Mammais	14.00
24	Geo. M. Byram Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation	57.90
	Baltimore and Ohio R. R. Co	do	78. 50
27	T.C. MaConnoll	Drawings	20.00
30	Vernon Bailey. E. A. Goldman E. W. Nelson	do	164. 80 98 90
	E. W. Nelson	do	148.30
•	Walter K. Fisher S. D. Judd et al	Calarias	100.00 520.90
	Total fourth quarter		3, 487. 58
	Supplemental.		
July 1	Jno. Schmitt	Boxes	6, 30
	G M Byram	Mammals *	14.00
2	C. P. Streator F. P. May & Co. J. C. McConnell	Traps.	19. 50 3. 60
	J. C. McConnell	Drawings	3. 60 19. 75
6	United States Express Co		20 40
12 14	J. C. McConnell H. C. Overholser do	Transportation Drawings. Traveling expenses Expenses.	7. 00 50. 75 15. 00
14	do	Expenses	15.00
90	E. J. Pullman	Camera	16. 20 19. 50
23 27	C. P. Streator Chicago, Burlington and Quincy R. R. Co	Mammals	30, 25
Aug. 18	F. P. May & Co. Adams Express Co.	Camp outfit	8, 65
19 23	Adams Express Co	Transportation	14. 50 . 75
23	C. M. Barber	mammal	. 13

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 24 Sept. 10 23 24	Bausch & Lomb Optical Co W. K. Fisher Union Pacific R. R. Co Adams Express Co.	Passenger transportation Transportation	\$8. 15 25. 00 30. 00 19. 45 328. 75

RECAPITULATION.

Fir	est quarter	\$4, 160, 49
Sec	ond quarter	4, 617, 46
Th	ird quarter	3, 436, 72
For	orth quarter	3, 487, 58
Sur	pplemental	328, 75
-		
	Total	16 021 00

POMOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897.			
July 29	Alex. Schmid	Mailing boxes	\$27.00
Aug. 13	Wm. P. Corsa et al T. T. Lyon	Salaries	656.50 75,80
25	E. Morrison Paper Co.	Salary Herbarium paper, etc	15. 50
28	Adams Express Co.	Transportation	1.35
31	Wm. P. Corsa et al	Salaries	555. 50
Sept. 3	Library Bureau	Index cards	6.75
11	T. T. Lyon	Salary	75. 80
. 30	Wm. P. Corsa et al	Salaries	539. 00
	Total first quarter		1, 953. 30
Oct. 1	Jno. C. Parker	Paper	3, 80
2	Adams Express Co	Transportation	1.25
4	G. B. Brackett	Traveling expenses	13. 75
8 22	T. T. Lyons E. Morrison Paper Co	Salary	73. 40 12. 00
25	St. Louis, Keokuk and Northwestern R.R.Co.	Mailing cards Passenger transportation	14. 05
30	Wm. P. Corsa et al.	Salaries	536, 29
Nov. 2	Wm. A. Taylor	Traveling expenses	6.05
6	do	do	7.10
10	T. T. Lyon	Salary	75. 80
19 30	Jno. C. Parker. Wm. P. Corsa et al	Paper	2.40
Dec. 2	Pittsburg, Cincinnati, Chicago and St. Louis	Salaries Passenger transportation	479. 60 12. 75
200. 2	R. R. Co.	r assenger transportation	12.10
9	T. T. Lyon	Salary	73.40
18	Library Bureau	Guides	5.00
31	Wm. P. Corsa et al	Salaries	495. 20
	Total second quarter		1,811.84
1898.			
Jan. 8	T. T. Lyon	Salary	75, 80
22	E. Morrison Paper Co	Herbarium paper	9. 50
E-b 31	Wm. P. Corsa et al	Salaries	454.80
Feb. 1	Library Bureau E. Morrison Paper Co	Index cards	9.00
11	T. T. Lyon	Drying sheets	3.50 77.50
28	Wm. P. Corsa et al .	Salary	410, 40
Mar. 9	T. T. Lyon	Salary	70.00
	Fred Reh	Boxes	8.10
26	E. S. Schmid	Labels	3.00
30 31	E. J. Wickson	Salary	69.35
21	Wm. P. Corsa et al	Salaries	454.80
	Total third quarter	•••••	1, 645. 75
Apr. 2	Alex. Schmid	Strawboard boxes	10.00
8	T. T. Lyon	Salary	77.50
16	J. C. Parker	Record books	2.00

POMOLOGICAL INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Apr. 30 May 3 5 20 21 28 31 June 9 13 16 23 30	Wm. P. Corsa et al E. J. Wickson. H. H. Brown T. T. Lyon Jno. Watkins E. J. Wickson. Adams Express Co. W. P. Corsa et al T. T. Lyon Adams Express Co. Jno. C. Parker. E. J. Wickson.	Salary Transportation Wax paper Salary	\$435. 20 50. 00 2. 78 74. 20 8. 76 50. 00 7. 15 449. 60 76. 60 4. 03 5. 85 50. 00 435. 20
	Total fourth quarter		1, 738. 87
July 7 13 18 22 Aug. 2 9	T. T. Lyon H. H. Brown F. A. Schmidt W. N. Irwin Library Bureau E. J. Wickson W. H. Ragan do Total	Photographic plates Pencils Traveling expenses Cards Salary do do	74. 20 6. 51 1. 17 9. 25 29. 40 50. 00 25. 81

RECAPITULATION.

LABORATORY.

Date.	Name.	Nature of payment.	Total.
1897.			
July 19	W. E. Cable	Lantern slides	\$19.50
21	B. F. Starr & Co	Bolting cloth	5, 50
Aug. 4	A. D. Maclachlan	Cross-section paper	13.90
18	United States Electric Lighting Co	Electric current	7.97
19	Wm. B. Morgan	Magnesia covering	8. 50
	A. Lisner	Sheeting	7, 65
	Washington Gas Light Co	Gas	12.60
• 24	The J. F. W. Dorman Co	Marker and stencil	5, 55
28	Z. D. Gilman	Stoppers, etc	60, 78
Sept. 3	Ernest Betz	Ebullioscope	4, 50
10	Rudolph, West & Co	Granite pans	4.75
18	Melville Lindsay	Packing	2.69
	Goodyear Rubber Co	do	1.50
	United States Electric Lighting Co	Electric current	6, 83
	Washington Gas Light Co	Gas	12.10
	Forsberg & Murray	Repairs to engine	26.75
	do	Pulley	3.50
	Mackall Bros. & Flemer	Flasks	121. 55
20	Emil Greiner	Apparatus	30.00
21	Eimer & Amend	Observation tubes	7.80
-6	Total first quarter		363. 92
Oct. 5	Ernest Kubel	Repairing sodium lamp	9.00
	Mackall Bros. & Flemer	Chemicals	45.49
	R. P. Clarke	Toweling	8. 28
6	W. D. Colt	Welsbach mantle, etc	1.00
	Jno, A. Power & Co	Repairs	2.75
7	Z. D. Gilman	Sterilizer	51. 15

LABORATORY-Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Oct. 7	Rudolph, West & Co Washington Gas Light Co	Hardware	\$1.6
8	Washington Gas Light Co	GasElectric current	13. 40 6. 50
$\frac{16}{22}$	United States Electric Lighting Co Z. D. Gilman	Sterilizer, etc.	14, 7
	Z. D. Gilman M. Du Perow Melville Lindsay. Thos. Somerville & Sons	Lamp	9, 00
	Melville Lindsay	Hose Nuts	2. 50
	Thos. Somerville & Sons	Nuts	1.00
	W. A. Pate	Cards Lamp and mantle	1. 00 3. 88
23	W. D. Colt. Eimer & Amend. Royce & Marean M. Du Perow	Beakers Brushes	4. 0
Nov. 1	Royce & Marean	Brushes	1.6
9	M. Du Perow.	Key sockets	2. 0 10. 0
9	M. Du Perow Ernest Betz Mackall Bros. & Flemer. Thos. Somerville & Sons Rudolph, West & Co. Eimer & Amend do Gallois & Dupont Washington Gas Light Co	Repairing apparatus Rubber tubing. Chemical apparatus Putz pomade Pipette and platinum spoons	36, 2
	Thos. Somerville & Sons	Chemical apparatus	7. 9
	Rudolph, West & Co	Putz pomade	. 8-
17	Eimer & Amend	Pipette and platinum spoons	4. 2
18	Gollois & Dunont	A properties	2, 50 15, 30
10	Washington Gas Light Co	Gas.	13. 3
Dec. 1		Laborence	33. 0
3	Geo Glick et al		11.0
	Jno. C. Parker J. W. Hyatt Williams & Hanks	Cotton-seed bag. Repairing cutter. Pulley	11. 0 57. 7 48. 5
6	Williams & Hanks	Pulley	48. 5 3. 1
	W.H. Veerhoff	Frames	18.3
	7. D. Gilman	Pumps, etc Chemical apparatus Pork	22, 8
_	do	Chemical apparatus	18.0
7 8	A. Lulley Bausch & Lomb Optical Co.	Pork	2. 60 27. 00
0	Emil Greiner	Spherometer. Calibrating apparatus. Labor. Calycanthus seed.	28. 0
14	Peter Hager	Labor.	22. 0
16	Emil Greiner Peter Hager J. H. H. Boyd Mackall Bros. & Flemer Washington Gas Light Co United States Fleetric Lighting Co	Calycanthus seed	10.0
20 22	Mackall Bros. & Flemer	Wire, etc	74. 0
22	United States Electric Lighting Co	Gas	9. 0
23	Geo. A. Shehan	Shelving	9, 7: 15, 0
	Thos. Somerville & Sons	Gastric current Shelving. Pipe.	25. 8
	Total second quarter		705. 2
1898.			
Jan. 15	F. P. May & Co. Rudolph, West & Co	Meat chopper, etc	15. 80
10	Rudolph, West & Co	Fruit press	. 4
18	United States Electric Lighting Co		10.0
	Bausch & Lomb Ontical Co	Electric current	12. 9
20	Bausch & Lomb Optical Co	Electric current	12. 99 16, 20
22	United States Electric Lighting Co Bausch & Lomb Optical Co Washington Gas Light Co Mackall Bros. & Flemer	Fruit press Electric current Milk analyzer Gas Chloride	12. 99 16. 20 14. 80 22. 1
	Mackall Bros. A. Flemer	Bomb calcrimeter	12. 95 16. 20 14. 80 22. 14 45. 00
Feb. 1	Jas. W. Tufts Ernest Kubel	Bomb calcrimeter	12. 9: 16. 2: 14. 8: 22. 1: 45. 0: 29. 0:
22	Jas. W. Tufts Ernest Kubeldo	Bomb calerimeter. Capsules Temperature regulator	12, 9 16, 2 14, 8 22, 1 45, 0 29, 0 18, 1
Feb. 22	Jas. W. Tufts. Ernest Kubel do Jo. Z. D. Gilman	Chloride Bomb calerimeter. Capsules Temperature regulator Plate holder, etc	12, 9 16, 2 14, 8 22, 1 45, 0 29, 0 18, 1 8, 7 82, 0
Feb. 22 2	Jas. W. Tufts. Ernest Kubel do Jo. Z. D. Gilman	Chloride Bomb calerimeter. Capsules Temperature regulator Plate holder, etc	12. 9: 16. 2: 14. 8: 22. 1: 45. 0: 29. 0: 18. 7: 82. 0: 5. 0:
Feb. 22	Jas. W. Tufts. Ernest Kubeldo. Z. D. Gilmando. Geo. I. Roberts & Bros. (Incorporated).	Chloride Bomb calerimeter. Capsules Temperature regulator Plate holder, etc	12. 9: 16. 24 14. 86 22. 1: 45. 00 29. 00 18. 10 8. 7: 82. 0: 5. 00
Feb. 22 2	Jas. W. Tuffs. Ernest Kubel do De Geo. I. Roberts & Bros. (Incorporated) The J. L. Matt Lyon Works.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 18. 4
Feb. 22 2 3	Jas. W. Tuffs. Ernest Kubel do De Geo. I. Roberts & Bros. (Incorporated) The J. L. Matt Lyon Works.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9: 16. 2: 14. 8i 22. 1: 45. 0i 29. 0i 18. 1i 8. 7: 82. 0i 5. 0i 18. 44. 0i
Feb. 22 2 3 8 11	Jas. W. Tufts. Ernest Kubel do. do. Z. D Gilman do. Geo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works. Jas. B. Lambie Mackall Bros. & Flemer.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 18. 4 4. 0 71. 5 2. 0
22 Feb. 1 2 3 8 11 14	Jas. W. Tufts. Ernest Kubel do. do. Z. D Gilman do. Geo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works. Jas. B. Lambie Mackall Bros. & Flemer.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9 16. 22 14. 88 22. 1- 45. 00 29. 00 18. 1- 82. 00 5. 00 18. 4- 4. 00 71. 5' 2. 00 8. 21
Feb. 22 2 3 8 11	Jas. W. Tufts. Ernest Kubel do. do. Z. D Gilman do. Geo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works. Jas. B. Lambie Mackall Bros. & Flemer.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9 16. 22 14. 8 22. 1- 45. 00 29. 00 18. 1- 8. 7- 82. 00 5. 00 18. 44 4. 00 71. 5- 2. 00 8. 22 22. 20
Feb. 1 2 3 8 11 14 15	Jas. W. Tufts. Ernest Kubel do. do. Z. D Gilman do. Geo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works. Jas. B. Lambie Mackall Bros. & Flemer.	Chieffel Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc Sodium tungstate. Capsules and paste Tank	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 7. 0 18. 4 4. 0 71. 5 2. 0 8. 2 22. 0 24. 0
22 Peb. 1 2 3 8 8 11 14 15 17	Mackall Bros. & Flemer Jas. W. Tufts Ernest Kubeldo	Chorde Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers.	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 5. 0 5. 0 18. 4 4. 0 21. 0 22. 0 24. 0 4. 5 6. 0
Feb. 1 2 3 8 11 14 15	Mackall Bros. & Flemer Jas. W. Tufts Ernest Kubeldo	Chorde Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current	12. 9 14. 8 22. 1 45. 0 45. 0 18. 1 8. 7 82. 0 5. 0 18. 44 4. 0 71. 5 2. 2 22. 0 4. 0 4. 0 4. 5 10. 6
22 1 2 3 3 8 8 11 14 15 17 21	Mackall Bros. & Flemer Jas. W. Tufts Ernest Kubeldo	Chorde Bomb calcrimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas	12. 9' 16. 22 1-1 45. 00' 29. 00 18. 1' 8. 7' 82. 0' 5. 00 5. 00 18. 4' 4. 00 71. 5' 2. 00' 24. 00 4. 50 10. 64
22 Peb. 1 2 3 8 8 11 14 15 17	Mackall Bros. & Flemer Jas. W. Tufts Ernest Kubeldo	Chorde Bomb calcrimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 18. 4 4. 0 20. 2 20. 0 4. 0 4. 0 4. 5 5. 0 10. 6 11. 5 9. 0
22 2 2 3 3 8 11 14 15 17 21 25	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chorde Bomb calcrimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 5. 0 18. 4 4. 0 71. 5 2. 0 24. 0 4. 10 4. 5 10. 6 11. 5 9. 0 4. 5
22 22 2 2 2 3 3 8 11 14 15 17 21 25 26	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chorde Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Bottles, etc. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas. Chemical apparatus Iron cover Gasoline Diastase	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 5. 0 18. 4 4. 0 71. 5 2. 0 24. 0 4. 5 10. 6 11. 5 3. 2 2. 1 4. 5 3. 2 4. 5 4. 5 4. 5 4. 5 4. 5 4. 5 4. 6 4. 6 5. 6 5. 6 6. 6 6. 6 6. 6 6. 6 6. 6 6
Feb. 1 2 2 3 3 8 8 11 14 15 17 17 21 25 26 28	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chorde Bomb calcrimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas Chemical apparatus Iron cover Gasoline Diastase Salaries.	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 18. 4 4. 0 71. 5 2. 0 24. 0 4. 5 10. 6 11. 5 9. 0 4. 5 12. 6 13. 4 14. 4 164. 8
Feb. 1 2 2 3 3 8 8 11 14 15 17 17 21 25 26 28	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chorde Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas. Chemical apparatus Iron cover Gasoline Diastase Salaries. Numbering machine	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 6 5. 0 6 5. 0 24. 0 24. 0 25. 0 26. 0 27. 0 28. 0 29. 0 20. 0 2
22 2 2 2 3 3 8 8 11 14 15 17 17 21 25 26 28	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chieffel Somb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas Chemical apparatus Iron cover. Gasoline Diastase Salaries. Numbering machine Calculating instrument	12. 9 16. 2 14. 8 22. 1 45. 00 29. 0 18. 1 8. 7 82. 00 5. 00 18. 4 00 71. 5 2. 00 24. 00 4. 00 4. 5 10. 6 11. 5 6 3. 2 14. 4 164. 8 10. 5 35. 6 35. 6 36. 6
29 29 1 2 2 3 3 8 8 11 14 15 17 21 25 26 28 Mar. 1	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chieffel Somb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas Chemical apparatus Iron cover. Gasoline Diastase Salaries. Numbering machine Calculating instrument	12. 9 16. 2 14. 8 22. 1 45. 0 29. 0 18. 1 8. 7 82. 0 5. 0 18. 4 4. 0 71. 5 2. 0 4. 0 6. 1 1. 6 11. 5 9. 0 3. 2 2 14. 4 164. 8 10. 5 6. 6 11. 5
Feb. 1 2 2 3 3 8 8 11 14 15 17 17 21 25 26 28	Mackall Bros. & Flemer Jas. W. Tuffs Ernest Kubeldododo. Z. D. GilmandoGeo. I. Roberts & Bros. (Incorporated) The J. L. Mott Iron Works Jas. B. Lambie Mackall Bros. & Flemer P. Mann & Co R. P. Clarke O. S. Blakeslee Eimer & Amenddo	Chorde Bomb calerimeter. Capsules Temperature regulator Plate holder, etc Bottles, etc. Sodium tungstate. Capsules and paste Tank Pliers Chemicals Clover seeds. Toweling Tablet press. Quart plates Burette. Thermometers. Electric current Gas. Chemical apparatus Iron cover Gasoline Diastase Salaries. Numbering machine	12. 9 16. 2 14. 8 22. 1 45. 00 29. 0 18. 1 8. 7 82. 00 5. 00 18. 4 00 71. 5 2. 00 24. 00 4. 00 4. 5 10. 6 11. 5 6 3. 2 14. 4 164. 8 10. 5 35. 6 35. 6 36. 6

LABORATORY-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Mar. 4	Eimer & Amend	Laboratory apparatus Fusible metal, etc	\$3.4
15	do Mackall Bros. & Flemer	Fusible metal, etc	\$3, 4 16, 2
	Mackall Bros. & Flemer	Ammonia, chlorin, etc	30.8
	Thos. Somerville & Sons	Rengir vice	12.1
	Z. D. Gilman	Bulbs, clamps, etc.	14.6
	Z. D. Gilman Mackall Bros. & Flemer Empire Manufacturing Co	Bulbs, clamps, etc. Formalin Barrels	1.4
16	Empire Manufacturing Co	Barrels	8.4
	Williams & Hanks Mackall Bros. & Flemer Eimer & Amend	Pulley	2. 1
17	Fimor & Amond	Platinum, chlorin, etc	138. 9
19	do	Flasks, etc. Stopcocks Electric current Gas	4. 8
21	United States Electric Lighting Co.	Electric current	7. (
	Washington Gas Light Co. Thos. Somerville & Sons M. S. Chamberlin et al.	Gas	13.5
22	Thos. Somerville & Sons	Apparatus for distilling water	7.5
31	M. S. Chamberlin et al	Salaries	212.9
	Total third quarter		1, 322. 7
Apr. 11	Washington Gas Light Co	Goo	12. 7
Apr. 11 14	Washington Market Co	Cold storage for pork	6.0
15	Eimer & Amend	Micrometer	106.
	Thompson & Campbell Mackall Bros. & Flemer	Chemical apparatus	97. 0
22	Mackall Bros. & Flemer	Cotton batting	5.7
25	Royce & Marean Francis Miller	Brushes	1.0
30	M S Chamberlin et al	Solories	950
May 2	M. S. Chamberlin et al. Joseph Mathy Ernest Kubel	Salaries Repairing roof, etc.	259. 2 8. 7 1. 7
	Ernest Kubel	Repairing calorimeter	1.7
	Lutz & Co		4.
0	J. B. Colt & Co	Slide boxes	6. (
3	Emil Greiner Eimer & Amend	Polariscope tubes etc	9. 8 1. 8
	H. H. Brown	Plates :	9. 3
5	United States Electric Lighting Co	Electric current	6. 6
	Rudolph, West & Co. C. C. Van Horn	Hardware	1. 1
6	C. C. Van Horn	Mantles, etc	1.8
9	Royce & Marean Washington Gas Light Co	LampsGas	6. 0 12. 7
17	Woodward & Lothron	Velveteen	12.
	Woodward & Lothrop. Jas. B. Lambie. Clarence E. McCoy.	Locks, etc	1. (
	Clarence E. McCoy	Locks, etc	6. 2
	Mackall Bros. & Flemerdo	Glycerine, zinc, etc	57. 3
	7 D Cilmon	Bottles, thermometers, etc	4. 2 51. 4
	Z. D. Gilman do	Calcium chloride.	11. (
	Ernest Betz Thos. Somerville & Sons do	Repairs to ventilator	2. 5
	Thos. Somerville & Sons	Cylinder, etc	11. 4
	do	Mill wheel Electric current	3. (
	United States Electric Lighting Co	Hinges etc	5. 5
20	Eimer & Amend	Hinges, etc.	7. 2
20	American Sugar Refining Co.	Sugar	9. 8
	American Sugar Refining Co. E. Morrison Paper Co	Sugar Tar board	
0.0	Library Bureau M.S. Chamberlin et al.	Pamphlet covers	10.0
June 4	M. S. Chamberlin et al.	Packing casks for sample	279. 1 24. 3
June 4	J. H. Gilbert Mackall Bros, & Flemer	Spatules etc	50.
· ·	Ernest Kubel	Repairing press Electric current Gas	. 7
14	United States Electric Lighting Co	Electric current	5. 2
	Washington Gas Light Co	Gas	10.0
15	Baker & Adamson Chemical Co	FillersPlatinum rider and filter	6. 2 10. 2
	Einer & Amend	a .	. 7
16	H. H. Brown	Lamp	3. 5
	Rudolph, West & Co	Lamp Emery cloth Laboratory supplies	. 8
18	Mackall Bros. & Flemer	Laboratory supplies	38. 2
23	J. C. Ergood & Co		.8
24	do. H. H. Brown Rudolph, West & Co. Mackall Bros. & Flemer J. C. Ergood & Co E. M. Tilden Eimer & Amend	InkFilters	15. 8
24	do		14.4
	do	do	2. 5
	Library Bureau	White cards	6.0
27	Library Bureau H. W. Wiley William Halley	White cards Expenses Salary	6.8
30	William Halley	Salary	21. 0
			1, 236. 2

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

LABORATORY—Continued.

	LABORATORY-	Continued.	
Date.	Name.	Nature of payment.	Total.
	Supplemental.		
1898.			
July 2	Mackall Bros. & Flemer	Ether, etc	\$129.44 1.88
	Z. D. Gilman	Bottles, etc Photo negatives Excelsior	9. 50
7	E.S. Wertz	Photo negatives	23.09
14	W A Pate	Excelsior	7.46 .75
16	E.J. Pullman Washington Gas Light Co Royce & Marean United States Electric Lighting Co	Gas	10. 00
18	Royce & Marean	Dynamo hrushes	1.50
19	United States Electric Lighting Co	Electric current Sheet rubber	5.34 .30
21	Melville Lindsay Z. D. Gilman	Chemicals, etc	23.75
23	W. F. Stein Bausch & Lomb Optical Co Geo. W. Knox Express Co	Photos	3, 75
	Bausch & Lomb Optical Co	Selenite film	1. 23
Aug. 12	O S Blakeslee	Transportation	45, 00 1, 50
19	O. S. Blakeslee Washington Gas Light Co Mackall Bros. & Flemer	Gas	. 40 2. 11
	Mackall Bros. & Flemer	Rubber tubing	2. 11
Sept. 20 Oct. 6	Jno. R. Galloway	Repairing apparatus	8, 00 8, 50
Nov. 4	Eimer & Amend Adams Express Co.	Filter plates	. 95
		-	
	Total		284. 45
	rter		•
	LABORATORY—RENT	OF BUILDINGS.	
Date.	Name.	Nature of payment.	Total.
-1897. Aug. 21 Sept. 17	J. Harrison Johnson	Rentdo	\$75. 00 75. 00
•	Total first quarter		150, 00
			100.00
Oct. 5 Nov. 6	J. Harrison Johnson	Rent	75. 00
Dec. 4	dodo	do	75, 00 75, 00
		1-	
	Total second quarter	•••••	225, 00
1898.			
Jan. 11 Feb. 21	J. Harrison Johnson	Rent	75.00
Feb. 21 Mar. 10	dodododo	dodo	75. 00
mai. 10			75. 00
	Total third quarter		225.00
Apr. 11	J. Harrison Johnson	Rent.	75.00
Apr. 11 May 6	J. Harrison Johnson	do	75.00
June 14	do	do	75.00
	Total fourth quarter		225.00
	* Supplemental.	=	
July 13		Rent	75, 00
	RECAPITULA	TION	
First qua Second qu Third qu Fourth q Suppleme	arter AECAFII 012 narter arter narter narter	•••••	\$150, 00 225, 00 225, 00 225, 00 225, 00 75, 00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

ADULTERATION OF FOOD.

Date.	Name.	Nature of payment.	Total.
Sept. 18	G. L. Spencer et aldo Barber & Ross. G. L. Spencer et al	Warehouse balance, etc.	\$541. 80 541. 80 13. 60 580. 79
	Total first quarter		1, 677. 99
Oct. 5 30 Nov. 16 30 Dec. 7 31	Annie C. Bell. Chas. C. Moore, jr., et al. Annie C. Bell. Chas. C. Moore, jr., et al. H. W. Wiley. Chas. C. Moore, jr., et al.	Salaries Negatives Salaries Traveling expenses	94. 50 647. 40 74. 25 659. 70 70. 62 544. 17
	Total second quarter		2, 090. 64
1898. Jan. 31 Feb. 28 Mar. 31	Chas. C. Moore, jr., et aldo. G. L. Spencer et al	Salaries	548. 23 532. 00 553. 00
	Total third quarter	I	1, 633. 23
Apr. 30 May 31 June 16 27	G. L. Spencer et aldo. G. L. Spencer H. W. Wiley	Salariesdo	531, 30 547, 40 14, 65 207, 75
	Total fourth quarter		1, 301. 10
	Supplemental.		
Oct. 18	H. W. Wiley	Traveling expenses	15, 75

RECAPITULATION.

First quarter	\$1,677,99
Second quarter	2,090.64
Third quarter	1,633.23
Fourth quarter	1, 301. 10
Supplemental	15. 75

FORESTRY INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897. July 30	M. Schwartz's Sons	Log rule	\$1.25
31	Geo. B. Sudworth et al	Salaries	660, 30
Aug. 2	Filibert Roth		126.40
5	J. B. Johnson	Services and supplies	1,000.00
7	Chas. Mohr	Salary	126.40
18	The E. E. Jackson Co		4.75
20	The Cummer Co	do	5. 00
25	Library Bureau		1.90
26	Geo. E. MacLean	Expenses	41. 12
27	Jno. W. Heston.	do	62. 25
	Burlington and Missouri River R. R. in	Passenger transportation	19.70
31	Nebraska. Geo. B. Sudworth et al.	Salaries	660, 30
Sept. 4	Chas. Mohr	Salary	126, 40
Берг. 4	Filibert Roth	do	126. 40
	B. E. Fernow.	Traveling expenses	149, 74
9	J. B. Johnson	Services and supplies	
10	Rudolph West & Co.	Asbestus paper	3, 20
17	Chas. A. Keffer	Traveling expenses	25.40
18	Mackall Bros. & Flemer	Burner crowns	1.35
23	Alston Ellis.		60.50
	do	do	40.00
	Joseph M. Tanner	do	54.73
	Geo. E. MacLean		10.00
	Jno. W. Heston	do	25.00

FORESTRY INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1897. Sept. 23	Fremont, Elkhorn and Missouri Valley R. R.	Passenger transportation	\$19.50
24 30	Northern Pacific Rwy. Co	Salaries.	48. 05 639. 32
	Total first quarter		5, 238.96
Oct. 1	Library Bureau	Card index cases.	29. 00
	J. A. Vasbinder. J. B. Johnson	Negatives	8, 50 800, 00
	The F F Teelroop Co	do	3. 25 42. 5 5
2	Geo. B. Sudworth. Geo. W. Knox Express Co. Filibert Roth. Chas. Mohr.	Transportation Salarydo	1 69
4	Chas. Mohr.	Safarydo	122. 20 122. 20
6 7	B. E. Fernow. Z. D. Gilman.	Traveling expenses. Weights for timber tests	168. 45 6. 00
16	P F Fernan	Traveling expenses	143. 57
21	Alston Eilis. Geo. E. MacLean	Expensesdo	40, 00 10, 38
25 30	Geo. E. MacLeau Northern Pacific Rwy. Co D. G. Fairchild et al	Passenger transportation	6. 25 774, 43
Nov. 1	J. W. Heston The E. E. Jackson Co Frank A. Waugh Thos. Meehan & Sons	Express	17. 20
4	The E. E. Jackson Co Frank A, Waugh	Timber for test	26.30 6.60
5	Thos. Meehan & Sons D. G. Fairchild	Tree seedlings	8. 65 9. 75
8	Filibert Roth. Z. D. Gilman	Salary	126, 40
9	Z. D. Gilman	Salary Thermometers Transportation	1.50 1.10
	Adams Express Co. Mackall Bros. & Flemer Barber & Ross.	Torsion halance	41. 50 1. 35
16	The Market Comme	Copper wire Tree seedlings Binders	6.95
17	Library Bureau Evergreen Nursery Co N. T. Arnold	Binders Birch seedlings	2. 20 2. 24
	N. T. Arnold	Expenses Traveling expenses.	150.00
19 20	Chas. A. Keffer. Baltimore and Ohio R. R. Co. Seattle and International Rwy. Co.	Passenger transportation	17. 50
	Chicago, St. Paul, Minneapolis and Omaha	do	18. 75 17. 50 5. 70 3. 25
	Rwy. Co. Northern Pacific Rwy. Co	do	21 20
22 23	Thos. Meehan & Sons A. J. Johnson	Tree seedsdo	16. 31 60. 00
	The Geo W Knoy Express Co	Transportation	8.40
29 30	Geo. C. Butz. D. G. Fairchild et al. The E. E. Jackson Co.	Tree seeds. Salaries Timber tests.	24. 13 802. 40
Dec. 1	The E. E. Jackson Co	Timber tests	5. 95 122. 20
2	Harland P Kelsey	Salary Tulip tree seedlings Tree seeds	3.30
	Walter S. Thomber Luther Foster J. F. C. Du Pre	Tree seedsdo	6. 00 3. 00
	Oregon R R and Navigation Co	Passenger transportation	11. 88 2. 10
	- do	do	5. 10
	Southern Rwy. Co Pennsylvania R. R. Co W. C. Hill	dodo	19. 15 17. 00
4	W. C. Hill Geo. E. MacLean	do Seedlings, pines Expenses	13. 56 46. 07
6	H. H. Brown	Soito sheets	1.19
	Southern Pacific Co Rudolph West & Co.	Passenger transportation Copper wire Repairing balance	31. 03 . 42 4. 00
14	7 D Cilmon	Domoinimo Lalomos	4.00 4.75
16	Sam'l P. Green	Tree seeds	8.00
17	E. Morrison Paper Co. Sam'l P. Green Frank A. Waugh. Fairbury Nurseries.	Seedlings	5. 56 12. 60
	R. Douglas & Sons Jas. A. Nicholson & Sons	Olive seed Tree seeds	6. 00 27, 49
18	Jas. A. Nicholson & Sons.	Bags.	34.50
18	Chas, Mohrdo	Salary, October, 1897 Salary Cards	126. 40 122. 20
31	Library Bureau D. G. Fairehild et al	Cards Salaries	14. 05 828. 80
	Total second quarter		5, 140. 08
	grant granter		3, 140. 06

48 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

FORESTRY INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total
1898.			
an. 3	Jno. W. Heston	Expenses	\$38
	Cyrus Northrup Pennsylvania R. R. Co	Passenger transportation	13
	Pennsylvania R. R. Co	Passenger transportation	20
4	Southern Rwy. Co Filibert Roth. Chas. A. Keffer	Use of test machine	136
5	Filibert Roth	Salary	126
6	N. F. Thorne	Traveling expenses. Seedlings Salary	85
8		Seedings	50 126
10	Chas. Mohr R. Douglas's Sons Jas. Troop. C. S. Crandall Wm. B. Alwood J. C. Whitten R. E. Benedict F. F. Ferylla	Sandlings	
10	Jas. Troop	Seeds	11
	C. S. Crandall	do	3
	Wm. B. Alwood	do	7
	J. C. Whitten	do	8
	R. E. Benedict	do	9
			29
	A. J. Johnson H. B. Ayres	do	27
18	H. B. Ayres	do	20
	C. L. Sutton	do	
	People's Dispatch Co Geo. B. Galbraith.	Transportation	
19	D H Drice	Seedlings Seeds Expenses	9
Lo	R. H. Price N. T. Arnold	European	33
	Aleton Ellie	do	39
	Alston Ellis Geo. E. Morrow	do	19
	Thos. E. Will	do	49
20	Burlington and Missouri River R. R. in	Passenger transportation	2
	Nebraska.	z doscinger transportation	-
	Memphis and Charleston R. R. Co	do	9
	Southern Pacific Co	do	3
	Canadian Pacific R. R. Co	do	45
	Fredk. Springmann J. B. Johnson B. F. Bush	Transportation	. 22
24	J. B. Johnson	Expenses	22
27	B. F. Bush	Seeds	13
31	D. G. Fairchild et al	Salaries	726
eb. 1	Edward H. Jenkins	Tree seeds	5
2	Baltimore and Ohio R. R. Co	Passenger transportation	17
3	H. B. Ayers	Passenger transportation	5 5
9	R H Price	do	7
	Geo E Morrow	Evnences	6
	R. H. Price Geo. E. Morrow L. S. Ross	do	86
	Mackall Bros. & Flemer	Sulphuric acid, etc	7
8	Filibert Roth	Salary	129
11	Charles Mohr	Passenger transportation Tree seed do Expenses do Sulphuric acid, etc Salary do Timber tests.	129
12	The E. E. Jackson Co	Timber tests	33
14	Houston and Texas Central R. R. Co St. Louis and San Francisco R. R. Co	Transportation	3
7.5	St. Louis and San Francisco R. R. Co	do	1
15	Edwd. S. Schmidt	Plant labels	1 5
17 23	J. L. Budd The Atchison, Topeka and Santa Fe Rwy. Codo	December to a contation	5 8
40	do	Passenger transportation	7
	Chicago and Northwestern Rwy. Co	do	16
25	The G. W. Knox Express Co	Transportation	1
26	The G. W. Knox Express Co Houston and Texas Central R. R. Co	do	1
	Union Pacific Rwy. Co	Passenger transportation	$\frac{4}{7}$
	Southern Rwy. Co	do	7
•	Houston and Texas Central R. R. Co Union Pacific Rwy. Co Southern Rwy. Co D. G. Fairchild et al Filibert Roth Chas. Mohr The Geo. W. Knox Express Co Library Rurean	do	14
28	D. G. Fairchild et al	Salaries	656
ar. 2	Filibert Roth	do	116 116
4 9	The Coo W Know Every Co	Transportation	29
	The Geo. W. Knox Express Co	Transportation	4
10 14	Library Bureau	Index cards Traveling expenses Passenger transportation	40
14	B. E. Fernow Omaha Republican Valley Rwy. Co. The Texas Pacific Rwy. Co. John T. Stinson. Saml. M. Bain	Passenger transportation	3.
	The Texas Pacific Rwy Co	do	13
15	John T. Stinson	Tree seeds	5.
19	Saml. M. Bain	do	7.
23	G. E. MOITOW	Expenses	4.
31	D. G. Fairchild et al	Salaries	726.
	Total third quarter		3, 930.
pr. 1	R. Douglas' Sons	Tree seeds	10.
C	Filibert Roth	SalaryTransportation	129. 1.
6	United States Express Co	Transportation	129.
12	Chas. Mohr C. S. Harrison	Salary	24.
15	C. S. Harrison The Tucker File Codo	Transfer cases	12.

FORESTRY INVESTIGATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 20	R. H. Whitlock United States Express Co.	Expenses	\$39.25
25	United States Express Co	Transportation	1.00
29	J. M. Tanner	Expenses	61. 93
May 3	J. M. Tanner D. G. Fairchild et al Filibert Roth	Salary	696. 00 123. 60
may 5	Burlington and Missouri River R. R. in	Salary Transportation	. 25
*	Nebraska.	Zinzoportucioz iliani	
	Houston and Texas Central R. R. Co	do	. 25
6	Adams Express Co	do	41.40
0	do	do	1.15
9 17	Charles Mohr	Salary	123. 60 5. 83
20	Geo. W. Knox Express Co The Randolph Paper Box Co Geo. E. McLean	Pasteboard boxes	28. 75
23	Geo. E. McLean	Expenses	24. 25
28	Adams Express Co. D. G. Fairchild et al.	Transportation	21. 45
31	D. G. Fairchild et al	Salaries	654. 74
June 4	Filibert Roth.	Salary	127. 80
13 16	Chas. Mohr	Transportation	127.80 .63
18	Paper Dispatch Co Jno. W. Heston. G. E. Morrow	Expenses	138. 87
10	G. E. Morrow	Expensesdo	7.05
	R. H. Whitlock	60	24. 25
	Aleton Filio	Pow roll Fort Colline Colo	85. 55
20	Evergreen Nursery Co. R. Douglas' Sons. Atchison, Topeka and Santa Fe Rwy. Co	Seedlings and services	41.05
22 24	Atabigan Tanaka and Santa Fa Prov. Ca	Tree seed	12.00
24	Hannibal and St. Joseph R. R. Co.	do	. 13
25	Hannibal and St. Joseph R. R. Co D. Hill	Cultivation and care of seedlings.	50.00
	do Gardner & Son	do	226. 79
	Gardner & Son	do	45.00
0.0	Geo. E. MacLean	Pay roll, Lincoln, Nebr	93. 61
30	D. G. Fairchild et al	Salaries	605. 40
	Total fourth quarter		3, 717. 85
	Supplemental.		
July 1	R. Douglas' Sons	Material for tree-planting experiments.	43.77
2	N. T. Arnold	Expenses	60, 86
5	Filibert Roth	Salary	123, 60
6	Chas. Mohr. G. B. Sndworth Cyrus Northrup.	Traveling expenses	123. 60 32. 90
7	Cyrus Northrup	Traveling expenses Expensesdo	27. 50
	do	do	27. 50 37. 73
19	A. Douglas Sons	Labor, etc	132.18
	M. E. Hinkley	Services	60. 00
	J. M. Tanner James Reid	Expensesdo	90. 88
22	Elgin Nurseries	Care seedlings	86. 43 75. 00
	G. E. MacLean	Care seedlings. Pay roll, Lincoln, Nebr.	58. 35
	G. E. Morrow Thos. E. Will	Pay roll, Stillwater, Okla	6. 70
	Thos. E. Will	Pay roll, Manhattan, Kans	64.16
	J. A. Vye	do	15. 75
27	R. H. Whitlock	Pay roll College Station Tax	4. 00 34. 00
Ang. 5	Alston Ellis	Seedlings Pay roll, College Station, Tex Pay roll, Fort Collins, Colo. Pay roll, Brookings, S. Dak	39.00
24	Alston Ellis. Jno. W. Heston. Fredk, Springmann.	Pay roll, Brookings, S. Dak	50.00
27	Fredk. Springmann	Transportation	1.00
Sont o	Thos. Meehan & Sons	Seeds	. 60
Sept. 2	Jno. M. Simpson	Report on osier culture	105.00
6	Cyrus Northrup	Labor tree planting	3. 75 5. 00
Oct. 24	Pennsylvania R. R. Co	Transportation -	1. 20
	Baltimore and Ohio R. R. Co	do	14. 20
Nov. 4	Western Union Telegraph Co Cyrus Northrup. Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Adams Express Co	do	. 45
	Total]	1, 297. 61
First ores	RECAPITULA	ATION.	ΦΕ 000 CC
Second or	rter		. \$5, 238. 96
Third on	arter.		5, 140, 08 3, 930, 51
Fourth a	uarter		3, 717. 85
Suppleme	narter arter uarter ental		. 1, 297. 61
Tot	al		. 19,325.01

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd Experimental Gardens and Grounds.

Date.	Name.	Nature of payment.	Total.
1897.			
July 10	Christopher Hayes.	Packing moss Tinning stable	\$20.0
$\frac{12}{16}$	Thomas J. Killigan J. P. Brass	Tinning stable	6. 5
17	W.J. Brooke & Co.	Sand Fruit basket	5.5 13.2
11	Christopher Hayes. Thos. Somerville & Sons Christopher Hayes.	Moss	10. 0
22	Thos. Somerville & Sons	Brick	28.0
00	Christopher Hayes	Woods earth	12. 5
29	Ernest Betz do	Tinning	18. 0
	do	Wateringpots	12. 0 4. 8
31	Jas. K. Kerr et al.	Repairs Salaries	2, 278. 6
Aug. 13	Christopher Hayes Rudolph, West & Co	Packing moss	20. 0
18	Rudolph, West & Co	Supplies. Flowerpots.	1. (
19 20	Paul Hiser, jr., & Bro. Peter Henderson & Co	Smilax vines	6. 5 5. (
25	Edw. S. Schmidt	Plant stakes	18, (
	do	Mastic	6. 0
27	J. P. Brass	Sand	8.0
31	Jas. K. Kerr et al.	Salaries	1, 939.1
Sept. 14	Christopher Hayes Rudolph, West & Co	Peat mold Hammer, etc	12. 5 . 8
10	F. P. May & Co	Files, etc	1. 7
	Edw. S. Sehmidt	Files, etc	6. 2
	Clark Bros Paul Hiser, jr., & Bro Christopher Hayes	Rose plant	15, 0
	Paul Hiser, jr., & Bro	Flowerpots	21. 0 12. 5
18	Edw S Schmidt	Plant stakes	18. (
10	Edw. S. Schmidt. Rudolph, West & Co. Rufus P. Clarke.	Screws, hinges, etc.	7.8
	Rufus P. Clarke	Muslin	1. 5
	Thos. Somerville & Sons	Plumber supplies Lawn mower Laying service pipe	15.4
	Orndorff & Truxton Washington Gas Light Co Mackall Bros. & Flemer	Lawn mower	15.0
	Washington Gas Light Co	Paris green etc	28. 3 21. 3
	Christopher Hayes.	Packing moss	10. (
30	Jas. K. Kerr et al	Paris green, etc. Packing moss Salaries	1, 824. 8
	Total first quarter		6, 425. 0
Oct. 1	Handle & Fish	Repairs to boilers	42.0
-	W. A. Pate	Iron for blacksmith shop	2. 9
2	Wm. Wilson	Sod	18. (
5	W. A. Manda Ernest Betz	Lily bulbs	33. 6
	Edw. S. Schmidt	Tinning	19. 8 140. 0
8	Jas. B. Lambie	Shovels and hod	8. 5
Ĭ	Ernest Betz	Making iron pipe	4. 5
13	The Cranford Paving Co	Renewing roadways and walk	4,309.5
30	Jas. K. Kerr et al. J. A. Renshaw	Salaries	1, 697. 2
ov. 1	W. A. Pate	English walnuts	8. 8 16. 2
4	J. M. Chornburn & Co	Seeds	4.7
5	Clark Bros	Dolmo	18.7
18	Thos. Somerville & Sons	Pipe, brick, etc	15. 5
23	Adams Express Co Paul Hiser, jr., & Bro	Transportation	13. 7 16. 2
. 26	Z. D. Gilman	Salabar	10. 4
. 20	Geo. A. Shehan	Lumper	9.7
30	Too K Konn of al	Salaries	1, 644, 2
ec. 1	J. P. Brass Geo. F. Muth & Co Geo. A. Shehan	Sand.	12. 5 17. 0
7	Geo. A. Shehan	White lead, etc Lumber	17. 0 43. I
8	do	Lumberdo	33. (
	do	do	32. 2
	do	do	23.3
4.0	do	do	1.2
10	do Jos. Mathy	Galvanized-iron gutter	26. 5 32. 4
		Galvanized cans, etc	17.0
14	Rudolph, West & Co.	Galvanized caps, etc	12. 9
21	Paul Hiser, jr., & Bro	Flowerpots	8. 0
90	Valentine Ruebsam	Manure	19. 5
22 31	Rudolph, West & Co Paul Hiser, jr., & Bro Valentine Ruebsam Geo. F. Muth & Co Jas. K. Kerr et al	LeadSalaries	1. 7 1, 5 26. 0
31		-	
	Total second quarter	=	9, 831. 1

$\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for fiscal year ending June~30,~1898} - \textbf{Cont'd.}$

EXPERIMENTAL GARDENS AND GROUNDS-Continued.

15 F. P. May & Co. Files, etc. 2.2	Date.	Name.	Nature of payment.	Total.
Jas. K. Kerr et al	Jan. 5 15 22 25 31 Feb. 11 14 28 Mar. 2	F. P. May & Co. W. A. Pate Thos. Somerville & Sons Capital Furniture Co Geo. A. Shehan Jas. K. Kerr et al. The Cranford Paving Co Hugh Reilly Jas. K. Kerr et al. Rudolph, West & Co. W. I. Brooke & Co.	Files, etc. Iron Pipe, etc. Stove Lumber Salaries Repairing roadways Glass Salaries Hardware Lawn-grass seed	\$7. 50 2. 82 1. 50 . 81 9. 50 9. 75 1, 307. 30 114. 67 9. 45 1, 273. 60 7. 67 5. 00 . 85
Apr. 2	31	Jas. K. Kerr et al	Salaries	1, 286, 70 4, 037, 12
July 1 Supplemental. 13 Robt. Scott & Son Roses 58.6 14 The Cranford Paving Co Paving 184.8 Geo. A. Shehan Lumber 38.1 16 Ernest Betz Ventilator 10. 25 Rudolph, West & Co Tools 27. E. S. Schmid Plant stakes 60. 4 Year Stakes 60. 2 Mackall Bros. & Flemer Sulphur 2.2 3 Melville Lindsay Hose 96. 3 Sept. 20 Hugh Reilly Oil, paint, etc 27. 4 Oct. 25 J. R. Freeman Plants 90. Edw. S. Schmid Rose-leaf extract 5.6	16 22 23 29 29 May 14 31 June 6 11 14 15 16 23	Christopher Hayes W. I. Brooke & Co Rudolph, West & Co Christopher Hayes Geo. A. Shehan Paul Hiser, jr., & Bro Jas, K. Kerr et al Rudolph, West & Co Jas, K. Kerr et al Ernest Betz. Cammack & Decker Thos. Somerville & Sons Edw. S. Schmid Henry A. Dreer (Incorporated) Jno. C. Parker Geo. F. Muth & Co Jas, K. Kerr et al	Packing moss Lawn-grass seed Spades Packing moss Lumber Flowerpots Salaries Scythes Salary Chimney stack for boiler Lime Extending water pipes Bulbs Plants, seeds, etc Wax paper Ked lead Salaries	20.00 7.50 1.78 20.00 6.50 47.84 1,242.10 7.24 1,308.30 8.00 9.19 12.50 50.52 9.75 1,75 60
Geo. F. Mutth & Co	2 13 14 16 25 25 Aug. 9 23 Sept. 20	Supplemental. Robt. Scott & Son The Cranford Paving Co Geo. A. Shehan Ernest Betz. Rudolph, West & Co E. S. Schmid Mackall Bros. & Flemer F. P. May & Co Melville Lindsay Hugh Reilly J. R. Freeman	Roses. Paving. Lumber Ventilator Tools Plant stakes. Sulphur Files Hose Oil, paint, etc Plants	58, 00 184, 80 39, 54 10, 00 27, 10 60, 50 42 96, 25 27, 53 90, 00 5, 00 15, 30

RECAPITULATION.

First quarter	\$6, 425, 06
Second quarter	9, 831, 12
Inira quarter	4 037.12
Fourth quarter	4, 027, 07
Supplemental	616.94
·	
Supplemental	616.94

Date.	Name.	Nature of payment.	Total.
1897.			
July 31	Lyman J. Briggs et al	Salaries	\$518.90
Aug. 18	Mackall Bres & Flemer	Glycerin	3, 57
10	Thos. Somerville & Sons Washington Gas Light Co.	Glycerin Sampling tubes Gas Lumber	4. 45
19 25	Washington Gas Light Co. Geo, A. Shehan Clarence E. McCoy. Adams Express Co. Lyman J. Briggs et al H. F. Miller & son.	Lumbar	13.50 42.00
20	Clarence E. McCov	Gould's packing	5. 88
28	Adams Express Co.	Gould's packing Transportation Salaries. Tin boxes	2. 85
31	Lyman J. Briggs et al	Salaries	518, 90
Sept. 10	H. F. Miller & son	Tin boxes	2. 25
18	Henry H. Brown		3. 02
	Washington Gas Light Co	Pottles etc	12. 90 37. 43
30	Henry H. Brown Washington Gas Light Co. Mackall Bros. & Flemer Lyman J. Briggs et al	Gas Bottles, etc Salaries	502. 20
	Total first quarter		1, 667. 85
	_		
Oct. 1	Mackall Bros. & Flemer Albert E. Acworth et al.	Tubing	19. 97
2	M A Abla et al	Pay roll	75. 45 143. 25
	Adams Express Co	Transportation	14.73
	United States Express Co	do	2.05
11	Adams Express Co. United States Express Co Washington Gas Light Co.	Transportationdo	13.70
22		Chemicals Traveling expenses Laboratory apparatus Salaries	10.52
99	Milton Whitney	Traveling expenses	218.94
23 30	Milton Whitney Eimer & Amend Lyman J. Briggs et al	Salaries	3. 00 518. 90
Nov. 1	Jas. A. Courtney United States Express Co Washington Gas Light Co Z. D. Gilman Adams Express Co. Mackall Bros. & Flemer Fred'k Carl	Services	12. 00
11011	United States Express Co	Transportation	. 75
5	Washington Gas Light Co	Gas	. 75 15. 10
9	Z. D. Gilman	Lime	1.50
	Adams Express Co	Transportation	17. 05
16	Mackail Bros. & Flemer	Platinum wire Repairing apparatus Calorimeters	. 51 6. 25
17	Eimer & Amend	Calorimeters	2.15
18	Geo. F. Muth & Co	Shallac	. 60
20	Geo. F. Muth & Co Baltimere and Ohio R. R. Co	Passenger transportation	20.90
	Chicago and Northwestern Rwy. Co	do	7. 82
90	Southern California Rwy. Co	do	4. 25
Dec. 30	Oromon Poilroad and Novigation Co	Salaries	502, 20 5, 80
3	Jno Springman & Bro	Grate bars	15. 36
4	The Columbia Flint Co	Quartz	2.80
	L. J. Briggs	Quartz Traveling expenses	8.70
7	Southern California Rwy, Co. L. J. Briggs et al Oregon Railroad and Navigation Co. Jno. Springman & Fro The Columbia Flint Co L. J. Briggs Doremus & Just Co Builington and Missouri River R. R. in Nebraska.	Nickel plating Passenger transportation	. 50
8	Burlington and Missouri River R. R. in	Passenger transportation	16, 25
16			1.50
17	Oregon Short Line R. R. Co Washington Gas Light Co	Gas	18. 10
31	Washington Gas Light Co L. J. Briggs et al	GasSalaries	518. 90
			2, 198, 80
	Total second quarter		2, 190, 00
1898.	Illing Donah & Co	Contracto anid	9.00
Jan. 3	Missouri Pasific Purz Co	Carbonic acid	2. 00 13. 24
5	Thos. Burch & Co Missouri Pacific Rwy. Co Rio Grande Western Rwy. Co	Passenger transportation	18. 00
6		do	76, 75
	do	do	67. 50 4. 75
15		Electric switch	4.75
18	United States Express Co		. 50
20	Southern Pacific Co	Passenger transportation	11. 60
22	Power & Moreon	Floatrie aupplies	17. 60 3. 50
22	H H Brown	Photographic supplies	5. 10
	Thos, Somerville & Sons	Apparatus	3. 27
	do	Tubes	. 85
25	Fred & Carl United States Express Co. Southern Pacific Co Washington Gas Light Co. Royce & Marean H. H. Brown Thos. Somerville & Sons do. Barber & Ross Lohn Schultzbach	Label plates	1.50
01	To D. C 1	Kain gauges	10.40
Feb. 2	F. D. Gardner et al	Passenger transportation Gas Electric supplies Photographic supplies Apparatus Tubes Label plates Rain gauges Salaries Switch board Copper wire cable Pamphlet covers Electric supplies Hinges, locks, etc Oileloth Air coolers Traveling expenses Porcelain dishes	469.77 37.60 35.00
F CO. 2	Western Electric Codo. The Randolph Paper Box Co M. Du Perow Rudolph, West & Co Rufus P. Clarke They Songerille & Song	Copper wire cable	35, 00
3	The Randolph Paper Box Co	Pamphlet covers	15. 00
	M. Du Perow	Electric supplies	6.90
14	Rudolph, West & Co	Hinges, locks, etc	3. 46
	Rufus P. Clarke Thos. Somerville & Sons	Oilcloth	1. 92 3. 22
	L DOS SOMERVILLE & SONS	A1r coolers	
15	Frank D. Gardner.	Traveling avnenges	45. 50

SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Feb. 17	Library Bureau Milton Whitney Western Electric Co Washington Gas Light Co Pennsylvania R. R. Co Claredon Cincipret (Chicago and St. Loris	Index cards	\$3. 20
18	Milton Whitney	Traveling expenses	76. 13
21	Western Electric Co	Wire	35. 68
21	Washington Gas Light Co	Gas	12.30
23	Cleveland, Cincinnati, Chicago and St. Louis	do	29. 10 19. 28
	Rwy. Co.		19. 2
28	F. D. Gardner et al	Salaries	423, 20
Mar. 7	Melville Lindsay	Hose.	. 80
9	Frank D. Gardner	Traveling expenses	10.60
10	Eimer & Amend	Filter flasks	3.73
14	Eimer & Amend Jacksonville, Tampa and Key West Rwy. Co.	Passenger transportation	5.4
	Jacksonville, Tampa and Key West Rwy. Co Northeastern R. K. Co Mackall Bros. & Flemer Julien P. Freiz. Adams Express Co. Washington Gas Light Co. Royce & Marean Southern Rwy. Co. F. D. Gardner et al		16. 50
15	Mackall Bros. & Flemer	Absorbent cotton Support boxes Transportation	36.4
19	Julien P. Freiz	Support boxes	5.00
21	Adams Express Co	Transportation	1.30
22	Washington Gas Light Co	Gas	12.00
26	Conthan Don C	Tape-splicing compound. Passenger transportation. Salaries.	. 43 22. 6
31	E D Condponet of	Solorios	468. 4
91		_	
	Total third quarter		2, 040. 4
Apr. 1	Western Electric Co	Wire	10.00
-	The Randolph Paper Box Co	Pamphlet covers	10.00
2	Eimer & Amend. Milton Whitney. United States Express Co.	Glue Traveling expenses Transportation	3.00
4	Milton Whitney	Traveling expenses	11. 92
6	United States Express Co	Transportation	2. 80
8	Frederick Carl	Construction of electrode, etc	12. 50
11	James S. Topham	Labor Washing sacks Gas Transportation	1.50
	Mary Briscoe Washington Gas Light Co Adams Express Co. St. Johns and Lake Eustis R. R. Co. Savannah, Florida and Western R. R. Co	Washing sacks	5.00
16	Adama Emmass (Is	Thomas antation	13. 90
18	St Johns and Lake Prestic P. P. Co.	Passanger transportation	11. 19 32. 00
10	Sayannah Florida and Western P. P. Co	do	8. 10
22	Rudolfo Adam	Passenger transportation do Services, February Services	6. 50
	Rudolfo Adam et al	Services	14. 28
	Rudolfo Adam et al Thos. Somerville & Sons. Rudolph, West & Co The Okonite Co., Limited Rudolfo Adam	Augers	12. 39
	Rudolph, West & Co.	Hardware	4. 58
25	The Okonite Co., Limited	Wire	3. 3
	Rudolfo Adam	Expenses	41
26	Lyman J. Briggs	Traveling expenses	11. 90
28	Jacksonville, Tampa and Key West Rwy. Co.	Passenger transportation	11. 5
30	Lyman J. Briggs Jacksonville, Tampa and Key West Rwy. Co. F. D. Gardner et al M. Du Perow	Salaries.	507.60
May 6	M. Du Perow	Wire	3.08
9	Royce & Marean Junius Robinson Geo. W. Knox Express Co. Frank D. Gardner	Tape-splicing compound	. 90
9	Coo W Know Ewpress Co	Labor	4. 35
11	Fronk D. Gordner	Transportation	6. 78 54. 97
12		do	75. 9
17	Woodward & Lothron	Egg heaters	1.00
	Mackall Bros. & Flemer	Tunieric papers, etc.	3. 08
	Moodward & Lothrop. Mackall Bros. & Flemer M. Du Perow.	Wire Tape-splicing compound Labor Transportation Traveling expenses do Egg beaters Tumeric papers, etc Electric batteries do Snips, etc	1. 20
		do	4. 3:
	do F. P. May & Co. Thos, Somerville & Sons. M. W. Beveridge Western Electric Co. Queen & Co., Incorporated Frederick Carl Washington Gas Light Co. Fredk, Springmann. Adams Express Co.	Snips, etc Electric apparatus	2.73
	Thos. Somerville & Sons	Electric apparatus	23. 13
0-	M. W. Beveridge	Mason jars Switch boards	13.0
20	Western Electric Co	Switch boards	17.20
	Queen & Co., Incorporated	Soil rheostat, etc Work on apparatus	281.6
01	Frederick Carl	Work on apparatus	8.00
21 25	Washington Gas Light Co	Transportationdo	11.80
28	A dama Farmana G	Transportation	4.00
40	Adams Express Co United States Express Co	do	6. 60
31	F D Cordner et al	do	3. 30
June 3	Oneen & Co. Incorporated	Salaries.	524. 80
6	F. D. Gardner et al Queen & Co., Incorporated Mackall Bros. & Flemer	Soil rheostat. Flasks, corks, etc	86. 70 19. 55
	M. Du Perow		4. 02
	Doremus & Just Co	Wire	1.00
	M. Du Perow Doremus & Just Co W. W. Briggs	Pulleys	1.58
9		Wire. Pulleys Salary.	10.00
11	Frank D. Gardner	Traveling expenses	9. 9
	Frank D. Gardner Thos. Somerville Rudolfo Adam et al.	Traveling expenses Repairs to engine Services Transportation	13.50
13	Rudolfo Adam et al	Services	41.00
		Transportation	7. 60
1.1			
14 16	Adams Express Co Washington Gas Light Co Radolph, West & Co Chesapeake and Ohio Rwy. Co	Gas Soldering irons	10.6

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	Cincinnati, New Orleans and Texas Central	Passenger transportation	\$2.40
Juue 2 4	Rwy. Co.	7	
June 30	Pennsylvania R. R. Co F. D. Gardner et al	Solomics	11, 80 507, 6 0
June 50	1. D. Gardioi et al	Salaries	507.00
	Total fourth quarter		2, 476. 69
	Supplemental.		
T.,1., 1	The Chemite Co. Timited	W*	
July 1	The Okonite Co., Limited Thos. Somerville & Son	Wire	1.95
4	F. A. Schmidt	Photo supplies	4.4
5	Rudolfo Adam et al	Services	100, 5
6	Thos. H. Means	Traveling expenses	96. 1
	United States Express Co	Transportation	20. 1
8	Junius Robinson	Labor	10.00
9	M. Du Perow	Tubes and wire	173
13	Frederick Carl	Apparatus for experiments	24, 00
14	M. Du Perow	Batteries	4. 32
15 16	Thos. H. Means	Traveling expenses	85. 80
25	Mackall Bros. & Flemer.	Gas Corks	8. 60 12. 00
27	Pennsylvania R. R. Co	Passenger transportation	1. 6
	Louisville and Nashville R. R. Co	do	21. 5
	do	do	2. 9
Aug. 12	Fred'ck Springmann		. 50
0	Geo. W. Knox Express Co	do	1. 2
	Geo. P. Killian	Boxes	46.5
17	Rudolfo Adams et al	Salaries	136.0
19	Adams Express Co	Transportation	13.4
Clamb 14	Z. D. Gilman	Specimen tubes	47.40
Sept. 14	Great Northern Rwy. Co	Passenger transportationdo	4, 67 11, 50
	Rwy. Co.		11: 30
23	Pennsylvania Co	do	20, 5
$\frac{1}{24}$	Adams Express Co.	Transportation	6, 30
Oct. 14	Rudolph, West & Co	Waterpot	1. 20
24	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	5. 00
	Total	-	690. 63

RECAPITULATION.

First quarter Second quarter Third quarter Though quarter South quarter Supplemental	2, 198. 80 2, 040. 42 2, 476, 69
Total	9, 074. 37

SOIL INVESTIGATION—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 5 Sept. 3	Jno. F. Sheado	Rent of laboratorydo	\$55.00 55.00
	Total first quarter. Jno. F. Shea do do	Rent of laboratorydo	55.00
1000	Total second quarter	•••••	165.00
	Jno. F. Sheadodododo	do	55. 00 55. 00 55. 00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. SOIL INVESTIGATION-RENT OF BUILDING-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Apr. 2 May 7 June 8	Jno. F. Sheadododo	do	\$55.00 55.00 55.00
July 7	Supplemental. Jno. F. Shea	Rent of laboratory	55, 00

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	165.00 165.00 165.00
Total	

GRASS AND FORAGE PLANT INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1897.			
July 31	L. S. Williams et al	Salaries	\$456.40
Aug. 7	C. F. Vanderford	Salary	10.10
13	do	Expenses	53. 50
25	Austin and Northwestern R. R. Co	Passenger transportation	1.80
	E. Morrison Paper Co Henry H. Brown	Herbarium paper	47. 50
	Henry H. Brown	Camera	29.00
	do	Finder	5.00
	do	Film	1.80
27	Burlington and Missouri River R. R. in Nebraska.	Passenger transportation	23, 00
28	C. L. Shearer et al	Pay roll. Durango, Colo	132, 26
	Houston and Texas Central R. R. Co	Passenger transportation	3, 40
0.1	Adams Express Co	Transportation	4, 75
31	Jared G. Smith	Traveling expenses	43.90
C 4 D	L. S. Williams et al	Salaries	438, 84
Sept. 3	Jno. P. Davis	Engraving	50.00
4	Aven Nelson	Salary, July	145. 16
7	do	Salary, August	150, 00
10	S. M. Tracy	Traveling expenses	93, 68
13	David Griffiths	Salary	100.00
14	Thos. A. Williams. Jared G. Smith.	Traveling expenses	131. 83
17	C. L. Shearer et al.	do	60.60
11	C. F. Vanderford	Salaries	137. 10
18	H. H. Brown	Expenses Roll film	47. 90 3. 00
20	Jno. P. Davis		50, 00
21	Geo. Hansen	Engraving	9. 00
22	Fremont, Eikhorn and Missouri Valley	Passenger transportation	4. 21
	R. R. Co.	0 1	7, 70
	Oregon Short Line Rwy Co	do	14. 25
	Union Pacific, Denver and Gulf Rwy. Co Oregon Short Line Rwy. Co Denver, Leadville and Gunnison Rwy. Co	do	8. 95
24	Pecos Valley Rwy Co	do	. 12.00
	Pecos Valley Rwy. Co. Galveston, Harrisburg and San Antonio	do	2.75
	RWV, Co.		2.10
	Gulf, Colorado and Santa Fe Rwy, Co	do	7.85
	Gulf, Colorado and Santa Fe Rwy. Co	do	9, 05
	Denver and Kio Grande R. R. Co	do	3, 75
	Thos. A. Williams	Traveling expenses	14. 15
29	C. L. Shearer	Salary	40, 00
30	L. S. Williams et al	Salaries	302, 90
	Total first quarter		2, 657, 10
Oct. 1	H. N. Patterson	Bibliography cards	15, 00
	J. C. Parker	Paper.	2, 50
2	David Griffiths	Salary	100.00
	Adams Express Co	Transportation	.30
	United States Express Co	do	. 30
4	F. L. Scribner	Trovoling ornonger	26.85

56 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1897.			
Oct. 6	Peter Henderson & Co	Seeds	\$9.05
	H. H. Brown	Photographic supplies	7. 15
	do	Plate holders	3.00
9	do do Orrick Metcalf Queen & Co., Lt'd Jas. K. Metcalfe Jno, P. Davis.	Photographic supplies. Plate holders Photographic supplies. Photographic supplies. Salary Needles and forceps Seeds.	1.27 50.00
20	Queen & Co., Lt'd	Needles and forcens	3.78
-	Jas. K. Metcalfe	Seeds	103, 00
21	Jno. P. Davis	Engraving	50. 00 5. 30
22	John F. Davis P. Männ & Co. Texas and Pacific Rwy. Co. Pennsylvania R. R. Co. Atchison, Topeka and Santa Fe Rwy. Co. Burlington and Missouri River R. R. in	Tobacco dust	5. 30
25	Texas and Pacific Rwy. Co	Passenger transportationdodo	9.30
	Pennsylvania R. R. Co	do	12. 25
	Rurlington and Missouri River R R in	do	43.55 56.75
	Nebraska.		30.13
	Boston and Maine R. R. Co	do	2.50
		do	17.05
	Co.		
30	L. S. Williams et al	Salaries	309. 80
Nov. 4	Geo. Stalley Aven Nelson	Seeds	19. 50
8	T C Comitals	Service	5.00
20	Teves and Pacific Rwy Co	Expenses Passenger transportation do	. 50 6. 45
20	Denver and Rio Grande R. R. Co	do	12.70
23	The Geo. W. Knox Express Co	Freight and dravage	2.50
30	L. S. Williams et al	Freight and drayage	300.40
Dec. 1	Texas and Pacific Rwy. Co Denver and Rio Grande R. R. Co The Geo. W. Knox Express Co L. S. Williams et al Library Bureau C. F. Vanderford do	Oak cases, etc. Expenses Services, August Services, September	5. 25
2	C. F. Vanderford	Expenses	31.20
	do	Services, August	10. 10
	dodo	Services, September	9.80
	do	Services, October Expenses, November Services, November Transportation	10. 10 15. 60
	dodo	Services November	9. 80
	Adams Express Co	Transportation	10.00
	United States Express Co	Grass seed.	6.85
4	Peter Henderson & Co	Grass seed	4.07
6	H. H. Brown	Photographic supplies	9.27
8	Library Bureau	Card index case	15.00
	Nineari Pacific Days (Is	Passenger transportation	3. 90 30. 25
	Southern Pacific Co Missouri Pacific Rwy, Co Woodward & Lothrop	do	50. 20
10	Fred A Senmidt	Dividers Photo supplies Expenses Engravings Mounting grasses	. 50 2. 85
20	H. H. Brown C. F. Vanderford Jno. P. Davis	Photo supplies	2.65
22	C. F. Vanderford	Expenses	21.50
	Jno. P. Davis	Engravings	50.00
27	E. Benson	Mounting grasses	12.50
31	C. F. Vanderford. L. S. Williams et al.	Salary Salaries	10, 10 336, 90
	L. S. Williams et al	Sataries	990.90
	Total second quarter		1, 783, 94
	Total Scotta quality		
1898.			
Jan. 10	Lewis W. Carter	Seeds	6.00
18	Lewis W. Carter. People's Dispatch Co.	Transportation	. 97
	Jas. K. Metcalfe.	Seeds	30. 00 16. 35
	Jas. K. Metcane. Peter Henderson & Co. Gatchel & Manning. The Globe Co. J. T. Walker Sons. F. Mogrigon Paper Co.	do Illustrations	70.60
	The Globe Co.	Indexes	4.32
25	J. T. Walker Sons.	Shell lime. Gummed paper	3.00
28	E. Morrison Paper Co	Gummed paper	3.50
31	E. Morrison Paper Co. L. S. Williams et al.		335, 30
Feb. 1		Transfer cases. Mounting grasses Herbarium paper Sieves	4.50
. 3	Elizabeth Benson. E. Morrison Paper Co. Rudolph, West & Co	Mounting grasses	12.50 23.75
11	E. Morrison Paper Co	Herbarium paper	2. 10
14		Salary	10. 30
15	Jno. P. Davis	Engraving	50.00
	Library Bureau	Salary Engraving Card indexes Report on grasses, etc.	15.00
17	II I D41	Report on grasses, etc	235. 00
$\frac{17}{26}$	H. L. Bentley		. 50
17	Fredk. Springmann	Transportation	0.40
17 26 28	Jno. P. Davis Library Bureau H. L. Bentley Fredk. Springmanh C. C. Georgeson et al.	Transportation	342.82
$\frac{17}{26}$	Powell Fertilizer and Chemical Co	Salaries. Bone meal	342.82 14.00
17 26 28	Powell Fertilizer and Chemical Co Peter Henderson & Co.	Salaries. Bone meal	342. 82 14. 00 6. 42
17 26 28 Mar. 1	Powell Fertilizer and Chemical Co Peter Henderson & Co H. Meislahn	Salaries. Bone meal	342. 82 14. 00 6. 42 1. 44 30. 00
17 26 28	Powell Fertilizer and Chemical Co Peter Henderson & Co H. Meislahn Edwd. Palmer St. Louis & San Francisco P. P. Co	Salaries. Bone meal	342. 82 14. 00 6. 42 1. 44 30. 00
17 26 28 Mar. 1	Powell Fertilizer and Chemical Co Peter Henderson & Co H. Meislahn Edwd. Palmer St. Louis & San Francisco P. P. Co	Transportation Salaries Bone meal Seeds Teosinte seed Mexican grass and plants Transportation Seeds	342. 82 14. 00 6. 42 1. 44 30. 00 . 22 2. 00
17 26 28 Mar. 1	Powell Fertilizer and Chemical Co Peter Henderson & Co H. Meislahn Edwd. Palmer	Salaries	342. 82 14. 00 6. 42 1. 44 30. 00

GRASS AND FORAGE PLANT INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Mar. 19	Ben Lawson Jose Tafoys	Servicesdo	\$3.50 14.00
	Jose Tatoys	do	8. 20
21	J. P. McClain Adams Express Codo H. H. Brown	do do do film	1.40
	do	do	6.90
22	H. H. Brown	Film	3,00
23 24	Stringfellow & Hume	Harrows Transportation	46, 50 2, 6 5
25	S. M. Tracy	Report on Southern grasses and plants.	250.00
0.0	Peter Henderson	Grass seed	5, 00
26	Southern Rwy. Co	Passenger transportation Photographic supplies	15. 20 11. 80
31	C. C. Georgeson.	Salaries	362.50
	Total third quarter	-	2, 036. 14
Apr. 6	United States Express Co		3. 15
7	Elizabeth Benson	Transportation	12, 50
15	Pater Henderson & Co.	Pease	1.35 17.50
16	H. H. Brown Adams Express Co.	Photographic supplies	17. 50 3. 15
	Adams Express Codo	Transportationdo	5. 15
18	St. Louis and Southwestern Rwy. Co	do Passenger transportation do Harrowing Letter press Harrowing Transportation Passenger transportation do	18.60
	St. Louis and Southwestern Rwy. Co	do	16. 25
19 20	J. P. McClain	Harrowing	16.00
20	J. P. McClain	Harrowing	19.38 55.00
25	J. C. Parker. J. P. McClain United States Express Co.	Transportation	7. 68
28	Content States Express Co. Southern Rwy. Co. Fort Worth and Denver City Rwy. Co. do. J. G. Parker L. S. Williams et al. Peter Henderson & Co.	Passenger transportation	12.65
	Fort Worth and Denver City Rwy. Co	do	11.65
29	J C Parker	do do Mimeograph Salaries	9.60 15.00
. 30	L. S. Williams et al.	Salaries	364.47
May 3	Peter Henderson & Co	Seeds	3.64
5	11. 11. DIOWII	Photographic supplies	4.06
12 20	J. G. Smith. Peter Henderson & Co.	Seeds Photographic supplies Expenses Poa trivialis	59.45 .90
20	W. H. Haskell		1.00
26	W. H. Haskell Texas and Pacific Rwy. Co	Passenger transportation do Transportation	4.85
	Austin and Northwestern R. R. Co. Adams Express Co.	do	3.00
28		Transportation	. 35
31	United States Express Co. L. S. Williams et al Peter Henderson & Co People's Dispatch Co J. G. Smithdo. H. L. Bentley Chas. F. Vanderford A. D. E. Elmer Chas. F. Vanderford	Salaries	. 75 437. 46
June 1	Peter Henderson & Co	Grass seed Transportation Traveling expenses	2.00
6	People's Dispatch Co	Transportation	1.35
8	J. G. Smith	Traveling expenses	113. 25
13	H. L. Bentley	Expenses Services Expenses	57.10 13.33
	Chas. F. Vanderford	Expenses	56.00
20	A. D. E. Elmer	Grass seeds	25.00
24		Expenses	30. 20
24	Gulf, Colorado and Santa Fe Rwy. Co International and Great Northern R. R. Co	Passenger transportationdo	2. 25 37. 40
	Fort Worth and Rio Grande Rwy. Co.	do	1.55
00	Fort Worth and Rio Grande Rwy. Co	Transportation	1.77
28	H. L. Bentley Chas. F. Vanderford	Services	75.00
	F. L. Scribner	Traveling expenses	49. 70 21. 10
30	F. L. Scribner L. S. Williams et al	Salaries.	428.30
	Total fourth quarter		2, 019. 84
	Supplemental.		
July 2	P. Mann & Co	Bone meal, etc	8. 15
5	H. H. Brown H. L. Bentleydo. do. E. Morrison Paper Co. Chas. F. Vanderford The Geo. W. Knox Express Co. The Maurice Joyce Engraving Co. H. H. Brown	Photographic supplies	12.43
ΰ	do	Expensesdo	50.00
	do	do	24. 63 33. 88
7	E. Morrison Paper Co	Genus covers	10.00
9	Chas. F. Vanderford	Expenses	26.00
	The Mannier Loves Express Co	Transportation	8. 44
13	H. H. Brown	Electrotyping	1.87 39.56
15	F. L. Scribner	Traveling expenses	6. 90
21 27	Melville Lindsay Texas and Pacific Rwy. Co	Hose	8.00
		Passenger transportation	6, 20

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. GRASS AND FORAGE PLANT INVESTIGATION-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 18	Supplemental—Continued. H. H. Brown	Developing negatives	\$2,50
Aug. 18	Adams Express Co	Transportation	. 20
23	Jas. K. Metcalfe	Seeds	5.00 8.24
Sept. 14	Maurice Joyce Engraving Co Baltimore and Ohio R. R. Co	Passenger transportation	15, 20
	Missouri, Kansas and Texas Rwy. Co. of Texas	do	16, 65
	Pennsylvania R. R. Co	do	10, 00
	Wabash R.R. Co	do	25, 84
24	Baltimore and Ohio R. R. Co	Transportation	. 84
Oct. 5	F.W. Bolgiano		
	Total		320.98

RECAPITULATION. First quarter \$2,657.10 Second quarter 1,783.94 Third quarter 2,086.14 Fourth quarter 2,019.84

320.98

FIBER INVESTIGATION.

Supplemental

Date.	Name.	Nature of payment.	Total.
1897.			
July 31	C. R. Dodge et al	Salaries	\$252.70
Aug. 16	do	Traveling expenses	26, 03 252, 70
31 Sept. 30	dodo	Salaries	244. 60
осре ос	Total first quarter		776. 0
	Total first quarter		110.0
Oct. 7	J. C. Parker	Webster's International Dictionary.	9. 20
25	Pennsylvania R. R. Co	Passenger transportation	10.00
30	C. R. Dodge et al	Salaries	252. 70
Nov. 30	do		244. 60
Dec. 4	W. S. Gavey	Report on cotton gins	25. 00 252, 70
31	C. R. Dodge et al	Salaries	252, 70
	Total second quarter		794. 20
1898.			
Jan. 31	C. R. Dodge et al	Salaries	258.30
Feb. 9	W. S. Stevens	Services	52, 50 70, 00
15 21	H. Runge & Co. W. S. Stevens	Traveling expenses	54.00
23	South Carolina and Georgia R. R. Co	Passenger transportation	34. 85
28	C. R. Dodge et al	Salaries	233, 40
Mar. 24	Gulf, Western Texas and Pacific Rwy. Co	Passenger transportation	32. 65
25	W. C. Pittuck	Traveling expenses	23.06
31	C. R. Dodge et al	Salaries	258.30
	Total third quarter		1, 017. 00
Apr. 1	Saml. McCausland	Flaxseed	202, 50
30	Chas. R. Dodge et al	Salaries	247.20
May 4	Louisville and Nashville R. R. Co		3.90
	Geo. W. Knox Express Co	Freight.	33. 22
25	Fredk. Springmann	Transportation	. 99 6. 23
27	Southern Pacific Co		255, 60
June 30	Chas. R. Dodge et al.	Salaries, June	247. 20
	Total fourth quarter	-	996, 84
	Supplemental,	-	·
	**		*0.0
July 6	United States Express Co	Transportation	18.05 5.60
No. 27	Southern Pacific Co	00	6. 10
Nov. 4	Adams Express Co	00	0. 10
	Total		29, 75

RECAPITULATION.

First quarter.	\$776.05
Second quarter.	794, 20
Third quarter	1. 017. 06
Fourth quarter	996 84
Supplemental	20.75
Supplemental	20.10

EXPERIMENT STATION.

Aug. 4 Library Bureau Binders Traveling expenses 27 Pennsylvania R. R. Co. Passenger transportation A. C. True et al. Salaries 28 29 29 29 29 29 29 29	\$11. 10 37. 80 2, 269. 63 2, 269. 63 2, 70 113. 00 34. 00 90. 20 2, 189. 25 6. 10 11. 39 14. 30 27. 15 11. 50 68. 33 3, 83 2, 119. 00 7, 019. 12 16. 60 17. 50 106. 80 1. 33 19. 89 2, 19. 34 3, 43 2, 105. 69
July 21	37, 80 2, 269, 63 2, 70 113, 00 34, 00 90, 20 2, 189, 25 5, 19 4, 65 6, 10 11, 39 14, 30 27, 15 11, 50 68, 33 3, 83 2, 119, 00 7, 019, 12 5, 94 3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 43
A. G. True et al. Salaries Einders Einders Einders Ew. Allen Traveling expenses Passenger transportation Traveling expenses A. C. True Traveling expenses Traveling expenses A. C. True Traveling expenses Traveling exp	37, 80 2, 269, 63 2, 70 113, 00 34, 00 90, 20 2, 189, 25 5, 19 4, 65 6, 10 11, 39 14, 30 27, 15 11, 50 68, 33 3, 83 2, 119, 00 7, 019, 12 5, 94 3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 43
Aug. 4 Library Bureau Binders Traveling expenses Pennsylvania R. R. Co. Passenger transportation Traveling expenses A. C. True et al. Salaries Sept. 3 New York Central & Hudson River R. R. Co. Chicago and Northwestern Rwy. Co. do Chicago and Northwestern River R. R. in Nebraska. Chicago, St. Paul and Minneapolis Rwy. Co. do Chicago, Burlington and Missouri River R. R. in Nebraska. Chicago, St. Paul and Minneapolis Rwy. Co. do Chicago, Burlington and Northern R. R. Co. Northern Pacific Rwy. Co. do do Illinois Central R. R. Co. do Salaries 2 Total first quarter Total first quarter Total first quarter Total first quarter Traveling expenses Paper A. C. True Traveling expenses Paper A. C. True Traveling expenses Passenger transportation Passe	2, 70 113, 00 34, 00 90, 20 2, 189, 25 6, 19 4, 65 6, 10 11, 39 14, 30 68, 33 3, 83 3, 119, 00 7, 019, 12 5, 94 3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 48 3, 88 3, 19, 89 3, 88
Pennsylvania R. R. Co.	113. 00 34. 00 90. 20 22, 189. 25 5. 19 4. 65 6. 10 11. 39 14. 30 27. 15 11. 50 68. 33 3. 83 2, 119. 00 7, 019. 12 106. 83 19. 89 3. 43 3. 19. 89
Pennsylvania R. R. Co.	34, 00 90, 20 90, 20 90, 20 2, 189, 25 5, 19 4, 65 6, 10 11, 39 14, 30 27, 15 11, 50 68, 33 3, 83 2, 119, 00
22	90, 20 2, 189, 25 5, 19 4, 65 6, 10 11, 39 14, 30 27, 15 11, 15 68, 33 2, 119, 00 7, 019, 12 2 3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 48 3, 48 19, 89 3, 48 3, 48 48 48 48 48 48 48 48 48 48 48 48 48 4
22	2, 189, 25 5, 19 4, 65 6, 10 11, 39 14, 30 27, 15 11, 50 68, 33 3, 83 2, 119, 00 7, 019, 11, 12, 12, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14
22	5. 19 4. 65 6. 10 11. 39 14. 30 27. 15 11. 50 68. 33 3, 83 2, 119. 00 7, 019. 12
22	6, 10 11, 39 14, 30 27, 15 11, 50 68, 33 3, 83 2, 119, 00 7, 019, 12 5, 94 3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 48
Chicago, St. Faul and Minneapolis Rwy. Co. Chicago, Burlington and Northern R. R. Codo Northern Pacific Rwy. Codo Milinois Central R. R. Codo Go. Godo Go.	11. 39 14. 30 27. 15 11. 50 68. 33 3. 83 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Chicago, St. Faul and Minneapolis Rwy. Co. Chicago, Burlington and Northern R. R. Codo Northern Pacific Rwy. Codo Salaries Codo Salaries Codo Salaries Codo Salaries Codo	14. 30 27. 15 11. 50 68. 33 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Chicago, St. Faul and Minneapolis Rwy. Co. Chicago, Burlington and Northern R. R. Codo Northern Pacific Rwy. Codo Milinois Central R. R. Codo Go. Godo Go.	27. 15 11. 50 68. 33 3. 83 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1, 33 19. 89 3. 43
Chicago, St. Faul and Minneapolis Rwy, Co. Chicago, Burlington and Northern R. R. Co	11. 50 68. 33 3. 83 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Chicago, Burlington and Northern R. R. Co	11. 50 68. 33 3. 83 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Total first quarter	68. 33 3. 83 2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Total first quarter	2, 119. 00 7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Total first quarter	7, 019. 12 5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Total first quarter	5. 94 3. 72 16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
Oct. 1 Library Bureau Index cards. Jno. C. Parker. Paper. 4 A. C. True. Traveling expenses 22 Pennsylvania R. R. Co Passenger transportation. E. W. Allen Traveling expenses 23 Office Specialty Manufacturing Co. File. New York, New Haven and Hartford R.R.Co. Passenger transportation. New York, New Haven and Hartford R.R.Co. A. C. True et al. Nov. 9 Mackall Bros. & Flemer Eikonogan. 19 J. C. Parker Stencil paper. 20 Detroit, Grand Haven and Milwaukee Rwy. Tenneling expenses 20 Passenger transportation. Passenger transportation.	3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 43
Jno. C. Parker	3, 72 16, 60 17, 50 106, 80 1, 33 19, 89 3, 43
4 A. C. True	16. 60 17. 50 106. 80 1. 33 19. 89 3. 43
E. W. Allen 23 Office Specialty Manufacturing Co File 25 Pennsylvania R. R. Co Passenger transportation. New York, New Haven and Hartford R.R. Co Nov. 9 Mackall Bros. & Flemer Eikonogan. 19 J. C. Parker Stencil paper. 20 Detroit, Grand Haven and Milwaukee Rwy. Co. Traveling expenses File Passenger transportation. Stencil paper. Passenger transportation.	106, 80 1, 33 19, 89 3, 43
23 Office Specialty Manufacturing Co. File. Passenger transportation. Passenger transportation. Oo.	1, 33 19, 89 3, 43
New York, New Haven and Hartford R. R. Co do	19.89 3.43
New York, New Haven and Hartford R.R.Co do	3.43
30 A. C. True et al. Salaries 2	
20 Detroit, Grand Haven and Milwaukee Rwy. Co. Stencil paper. Passenger transportation	
20 Detroit, Grand Haven and Milwaukee Rwy. Co. Stencil paper. Passenger transportation	1.40
Co.	2.50
00.	5. 89
Rutland R. R. Codo	6.00
Boston and Maine R. R. Codo	13. 25
5 0. O. I alkel I aper I aper	4.50
30 A.C. True et al Salaries 2 Dec. 1 A.C. True	2, 022. 00
	38. 18
2 Adams Express Co	12.30
Rwy. Co.	12. 00
Maine Central R. R. Co	6.00
Pennsylvania R. R. Codo	7.61
Pennsylvania R. R. Co New York, New Havenand Hartford R. R. Co 6 H. H. Brown Photographic supplies	6. 77
6 H. H. Brown 16 Georgia Southern and Florida R. R. Co. Passenger transportation.	2.69
Central R. R. Co. of New Jersey	1.86 6.50
Central R. R. Co. of New Jersey do Chicago and Grand Trunk R. R. Co Transportation Library Bureau Cards	5.96
18 Library Bureau Cards	1.60
31 A. C. True et al. Salaries 2	2, 087. 75
1898.	3, 514. 56
Jan. 5 South Carolina and Georgia R R Co. Transportation	1.00
Chesapeake and Ohio R R Co.	4. 20
18 Southern Rwy, Co	14. 55 20. 6 5
do Passenger transportation	3, 45
Jan. 5 South Carolina and Georgia R. R. Co. Transportation. Chesapeake and Ohio R. R. Co. do Southern Rwy. Co. do 20 Cincinnati, New Orleans and Texas Pacific Rwy. Co.	6. 20
Savannah, Florida and Western Rwy, Cododo	9.10
Savannah, Florida and Western Rwy. Codo Cleveland. Cincinnati, Chicago and St. Louisdo	17. 50
Ewy. Co.	~,
	95.00
51 A. C. True et al Salaries 2	2, 130. 67
Feb. 2 Central of Georgia Rwy. Co. Passenger transportation M. Du Perow. Electric lamps.	1. 29

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

EXPERIMENT STATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Feb. 15	Easton & Rupp H. H. Brown	Trunk board	\$35.00 13.17
17	Library Rurgan	Cords	4.50
21 23	E. M. Tilden	Rubber type	3.36
25 26	E. M. Tilden. Central of Georgia Rwy. Co Southern Rwy. Co A. C. True et al.	Cards Rubber type Passenger transportationdo	8. 16 5. 65
28	A. C. True et al.		2, 051. 96
Mar. 4	Office Specialty Manufacturing Co. W. B. Moses & Sons. J. C. Parker The J. F. W. Dorman Co.	Desk file Ticking, etc Pencil pointer	1.34 7.22
	J. C. Parker	Pencil pointer	3.50
23 31	The J. F. W. Dorman Co	Figures	. 72
31		Salaries	2, 391. 55
	Total third quarter		6, 836, 44
Apr. 1	Margaret J. Thatcher	Making curtains	2.00
	Office Specialty Manufacturing Co. H. J. Wheeler Library Bureau	Baskets, etc. Article on "Lime" Cards.	4, 50 100, 00
2	Library Bureau	Cards.	1.60
11	E. J. Pullman E. Morrison Paper Co J. C. Parker	Kodak, etc	33. 95
16 20	E. Morrison Paper Co	Memorandum books Tags	. 85 3. 40
20	J. C. Parkerdo	Typewriter supplies	3. 95
29	G. A. Shehan	Lumber. Salaries	2.45
May 3	A. C. True et al Office Specialty Manufacturing Co	Salaries Binding cases	2, 290. 70 8. 30
may 5	H. C. Jones	Engraving	7. 89
	H. C. Jones H. H. Brown	Engraving Photographic supplies	14.09
4	do	do	11.84
4 16	The J. F. W. Dorman Co S. Jackson	Alaska grasses and berries	5, 30 293, 00
17	W. B. Moses & Sons	Desks	21.75
	Jas. S. Topham	Leather handles, etc	1.70
	H. H. Brown	Photographic supplies	4. 24 . 54
20	Rudolph, West & Co. Library Bureau Anna M. Parks	Cards	6.45
21 26	Anna M. Parks Southern Pacific Co	Translating	50.00 13.85
20	Honston and Texas Central R. R. Co	Hardware Cards Translating Passenger transportation do do Solorius	3.00
	Illinois Central R. R. Co	do	8.75
June 1	A. C. True et al Peter Fireman		2, 386.70 54.50
8	J. C. Parker	Type shuttle	2, 50
13	J. C. Parker Adams Express Co E. W. Allen	Translating Type shuttle Transportation Traveling expenses	10.30
16 22	E. W. Allen	Traveling expenses	242, 47 41, 25
24	Peter Fireman Southern Pacific Co A. C. True et al	Translating Passenger transportation	25. 00
30	A. C. True et al	Salaries	2, 310. 40
	Total fourth quarter		7, 967. 22
	Supplemental.		
July 2	W. E. De Riemer	Article, "European Agricultural Education."	150.00
		Education."	4.40
5 7	Mary H. Abel. Anna M. Parks	Traveling expenses	4.40 50.00
	Anna M. Parks Peter Fireman	do	79.00
9	Geo. W. Knox Express Co	Transportation Traveling expenses	1. 95 74. 25
16	do	Expenses	. 90
23	Oscar Hagamann	Article on "Feeding Cows"	100.00
27	Atchison, Topeka and Santa Fe Rwy. Co	Passenger transportation	31.90 18.33
	Oregon Short Line R. R. Co.	do	4, 60
	Wabash R. R. Co.	do	4. 60 9. 30
	Denver and Rio Grande R. R. Co	do	19. 10 27. 25
	Union Pacific, Denver and Gulf Rwy, Co	do	3. 70
	Peter Fireman Geo. W. Knox Express Co A. C. True	do	3.70 1.65
A 22 0 10	braska.	A bytract of report	155.00
Aug. 10 Sept. 14	St. Louis and San Francisco R. R. Co	Passenger transportation	10.55
oop. II	braska. F. W. Woll. St. Louis and San Francisco R. R. Co. Chicago and Northwestern Rwy. Co. Northern Pacific Rwy. Co. Southern Pacific Rwy. Co. Union Pacific R. R. Co.	do	1.11
	Northern Pacific Rwy. Co	do	13.96 46.90
	Union Pacific R. R. Co. Choctaw, Oklahoma and Gulf R. R. Co.		3.55
	Union Pacific R. R. Co	00	0.00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. EXPERIMENT STATION-Continued.

Da	te.	Name.	Nature of payment.	Total.
189	98.	Supplemental—Continued.	a	
Sept	22 23	Terre Haute and Indianapolis R. R. Co Baltimore and Ohio R. R. Co Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Pennsylvania R. R. Co. Barlington, Cedar Rapids and Northern Rwy. Co. H. L. de Velmarin. Pennsylvania Co Maricopa, Phœnix and Salt River Valley R. R. Co. Wabash R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Southern Pacific Co	do	\$19. 25 23. 40 11. 90 11. 80 3. 10 100. 00 4. 20 2. 38 8. 40 2. 50
		Total.		1, 001. 48

RECAPITULATION.

First quarter Second quarter Third quarter	6, 514, 56
Fourth quarter	. 7, 967, 22
Supplemental	1, 001. 48
Total	29, 338. 82

AGRICULTURAL RESOURCES OF ALASKA.

Date.	Name.	Nature of payment.	Total.
1897. July 31 Sept. 7 24	Walter H. Evansdo	Salary, August Passenger transportation	\$151. 60 151, 60 80, 00
Oct. 4	Total first quarter	Salary	383. 20
16 23 30	. do. Benton Killin Alaska Commercial Co. Walter H. Evans et al.	Traveling expenses Salary Passenger transportation Salaries	124. 20 600. 00 128. 50 203. 77
10 20	H _s H. Brown Benton Killin do. Northern Pacific Rwy. Co. Great Northern Rwy. Co.	Photographic supplies	3. 91 200. 00 158. 02 7. 00 61. 50
Dec. 1 8 31	Benton Killin Walter H. Evans et al Benton Killin Pacific Coast Steamship Co. W. H. Evans et al	Weather record, Juneau	23. 70 244. 60 200. 00 80. 00 252. 70
	Total second quarter		
1898. Jan. 3	Benton Killin	Passenger transportationdo	18. 50 67. 30 14. 30 35. 50 16. 65
Feb. 23 28	Northern Pacific R. R. Co W. H. Evans et al Cincinnati, Hamilton and Dayton Rwy. Co. Chicago and Northwestern Rwy. Co. W. H. Evans et al	Salaries Passenger transportation do Salaries	45. 00 258. 30 16. 00 12. 50 116. 67
Mar. 14	Pullman Palace Car Co. Union Pacific Rwy. Co. Total third quarter		26. 00 23. 58 650. 30

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. AGRICULTURAL RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Date.
1898.			
Apr. 30	C. C. Georgeson		\$206,60
May 17	Harris & Shafer		18.00
20	Henry J. Green		42.50
07	Queen & Co	Soil rheostat	86.70
June 1	Seattle Hardware Co		45. 00 45. 95
June 1	C. C. Georgeson		213, 00
16	H. H. Brown	Photographic supplies	9, 60
10	People's Dispatch Co	Transportation	3, 58
	J. C. Parker		4.50
24	C. C. Georgeson	Traveling expenses	49, 25
	Pullman Palace Car Co	Passenger transportation	7, 00
	Great Northern Rwy. Co	do	13. 50
	Total fourth quarter		744. 58
	7 7 7		
	Supplemental.		
July 2	C. C. Georgeson	Salary	206, 00
6	United States Express Co	Transportation	41.80
23	United States Express Co. W. H. Evans	Traveling expenses	71. 85
20	C. C. Georgeson	do	41, 00
	do	Express	8, 95
	R. D. Shelly	Labor	17.50
	Chas. Gier	do	32. 50
26	W. P. Mills	Office rent	10.00
27	Pacific Coast Steamship Co		40.00
Sept. 4		do	10.00
0.0	Baltimore and Ohio R. R. Co.	do	78.50
Oct. 23	Pacific Coast Steamship Co Baltimore and Ohio R. R. Co	do	50.00 78.50
Oct. 24	Darrinore and Onio A. A. Co		16. 50
	Total		686, 60
	2000		
-	DECL DIMET	A MITONI	
	RECAPITUL		
First qua	arter		\$383. 20
Second q	uarter		2, 434. 70
Third qu	arter		650.30
	uarter		
Supplem	ental		686.60

NUTRITION INVESTIGATION.

. 4,899.38

Date.	Name.	Nature of payment.	Total.
1897. Aug. 2	C. E. Atkins et al		\$625, 37
Sept. 3	C. D. Woods W. O. Atwater do C. D. Woods	do	84. 20 126. 40 126. 40 84. 20
30	C. E. Atkins et al. G. L. Spencer	Pay roll, Middletown, Conn	504. 84 65. 22
	Total first quarter		1, 616. 63
Oct. 4	C. E. Atkins et al. C. D. Woods W. O. Atwater	Pay roll, Middletown, Conn Salarydo	428. 79 81. 6 0 122. 20
Nov. 30	G. L. Spencer. W. O. Atwater et al. C. D. Woods		134. 80 752. 77 84. 20
23 30	W. O. Atwater G. L. Spencer	Traveling expenses	33. 30 130. 40
Dec. 2	A. P. Bryant C. D. Woods W. O. Atwater et al	Traveling expenses	74. 73 81. 60 696. 57
31	G. L. Spencer	Salary	2, 755. 76

NUTRITION INVESTIGATION-Continued.

Date	Name.	Nature of payment.	Total.
1898.			
Jan.	C. D. Woods	Salary	\$84.20
	W. O. Atwater et al	Pay roll, Middletown, Conn	524. 16
Trob	G. L. Spencer	Salary Pay roll, Middletown, Conn	137. 80 681. 80
Feb.	2 W. O. Atwater et al C. D. Woods	Salary	86.10
Mar.		do	77.80
	W. O. Atwater et al	Pay roll, Middletown, Conn	77. 80 507. 00
	W. O. Atwater J. W. Mallet	Traveling expenses	14. 98
2	J. W. Mallet	do	13.45
	Total third quarter		2, 127, 26
Apr.	Chas. D. Woods	Salary	86.10
	W. O. Atwater	Traveling expenses	39.6
	W. O. Atwater et al.	Pay roll, Middletown, Conn	6. 96 707. 9
	O. F. Tower	Services	11. 1
	R. S. Norris	do	11. 1
	C F Wait	Article on direction	400.00
	Mary H. Abel	Traveling expenses	2. 7
1	W. O. Atwater	do	300.0
_ 2	J. W. Mallet	do	14. 9
Iay	Chas. D. Woods	Salary	82. 4
9	W. O. Atwater et al.	Pay roll, Middletown, Conn	677. 7
2	W.O. Atwaterdo	Traveling expensesdo	89. 50 13. 23
une	Chas D Woods	Salary	85. 20
инс	Chas. D. Woods. W. O. Atwater et al	Pay roll, Middletown, Conn	698. 3
	C. E. Wait	Food report	350.0
	1: O S Blakeslee	Galvanometer	50.0
1	F. W. Marvel N. S. Kedzie	Traveling expenses	9.0
	N. S. Kedzie	(0	13, 40
2	Louise E. Hogan	do	26. 83
2	D. W. Colby Harry Snyder	Analyses of meats	300. 0 500. 0
		_	
٠	Total fourth quarter		4, 476. 0
	Supplemental.		
July		Salary	82. 40 777. 20
,	W. O. Atwater et al.	Pay roll, Middletown, Conn	777. 2
1	A G D	Report on food, etc.	200.0
1	Mory H Abal	Traveling expenses Article on sugar	3. 4: 150. 0
	E. B. Voorhees.	Article on bread baking	250.00
	A. C. Frile Mary H. Abel E. B. Voorhees E. W. Hilgard J. W. Mallet C. E. Wait	Food supply in California	300.0
	J. W. Mallet	Digestibility of food	400.0
	C. E. Wait	Food supply in California Digestibility of food Study cotton-seed meal as food	250, 0
1	J. P. FOX	Compilation of food investigation.	100.0
	H. S. Grindley	Report of food, investigation	250.0
	F. S. Singleton Monmouth Smith	Services	50.0
2	E W Morley	Report of food investigation	150, 0 25, 0
2 2	Pennsylvania R R Co	Passenger transportation	10.0
	New York, New Haven and Hartford R. R. Co.	do	4 2
Aug.	H. C. Sherman	Traveling expenses	4. 2 17. 5
	do	Expenses	15.9
	L. Cleveland Jones	Traveling expenses	9, 2
	H. M. Burr	do	48.9
	A. P. Bryant	do	36.1
	Monmouth Smith F. G. Benedict	Evnenses	11. 7
	do	Expenses Traveling expenses	5. 7: 28. 5
	L. C. Jones	Salary	26. 3
	W. O. Atwater	Salary Expenses	8.0
	Tr. O. Atwater	do	13. 1
	H. M. Burr		
1	H. M. Burr Isabel Revier	Dietary studies	216.00
1	H. M. Burr Isabel Revier	Dietary studies Traveling expenses	29.4
1 1	H. M. Burr Isabel Revier W. O. Atwater	Dietary studies	216. 0 29. 49 28. 0

64 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Fourth quarter	2, 755. 76 2, 127. 26 4, 476. 02
Supplemental	3, 497. 21
Total	14 479 99

PUBLIC ROADS INQUIRIES.

Date.	Name.	Nature of payment.	Total.
1897.			
July 24	M. O. Eldridge	Traveling expenses	\$15.00
28	Rov Stone	do	148. 38
31	Roy Stone et al	Salaries	353. 80
Aug. 2	E. G. Harrison	Salary	151. 60
12	Theodore H. Musson		60.00
	E. G. Harrison		93. 9
13	Wm. Ahl		32.90
31	Roy Stone	Traveling expenses	66. 26
Cont 4	Roy Stone et al. E. G. Harrison	Salaries Salary	393. 80 151. 60
Sept. 4	Wm. Ahl	dodo	
	Roy Stone	Traveling expenses	32. 68
10	Roy Stone C. F. Johnson	Salary	
~~	Rudolph, West & Co	Hammer	. 43
	M. O. Eldridge	Traveling expenses	
17	E. G. Harrison	do	77. 50
	Roy Stone	do	78. 84
	do	do	82. 20
18	T. H. Musson	Salary	60.00
21	C. T. Harrison		
24	Chicago and Northwestern Rwy. Co		14.97
30	Roy Stone et al	Salaries	382. 40
	Total first quarter		2, 365. 25
Oct. 1	M. O. Eldridge	Traveling expenses	7. 85
2	W. H. Jordan	Expenses	87. 50
	E. G. Harrison	Salary	146.80
5	Roy Stone	Traveling expenses	58. 23
_	do	Expenses	7.49
6	C. F. Johnson	Salary	25. 00
7	Roy Stone E. G. Harrison	Traveling expensesdo	41, 53 32, 68
9	T. H. Musson	Salary	60.00
9	C. F. Johnson	do	25, 00
	Wm. Alıl	do	60. 00
12	E. G. Harrison	Traveling expenses	32. 32
19	do	Expenses	52. 92
21	Wm. Ahl	Salary	21. 29
	Roy Stone	Expenses	10.00
25	New York Central and Hudson River R.R.Co.	Passenger transportation	7. 00
	Lehigh Valley R. R. Co.	do	21.00
	Narragansett Pier R. R. Co	do	9. 84
0.0	Pennsylvania R. R. Co	Salaries	30. 97 389. 93
Nov. 5	Roy Stone et al. E. G. Harrison	Salariesdo	151, 60
Nov. 5	T. H. Musson	Labor	60.00
8	E. G. Harrison	Expenses	36, 00
10	C. F. Johnson	Salary	25, 00
15	J. T. Hayne	Labor	3.87
16	E. G. Harrison	Traveling expenses	30.65
17	Roy Stone	do	34. 81
	do	do	17. 55
23	E. G. Harrison	Expenses	6. 86
	Roy Stone	do	19. 25
30	Roy Stone et al.	Salaries	382.40
Dec. 1	T. H. Musson	Traveling expenses	20. 22 146. 80
2	E. G. Harrison	Salary Expenses	15. 00
	Southern Rwy. Co	Passenger transportation	28. 75
6	Roy Stone	Traveling expenses	24.73
7	Standard Oil Co	Petroleum	. 40
13	Roy Stone	Expenses	10.00
17	E. G. Harrison.	Traveling expenses	25.45
31	Roy Stone et al	Salaries	353, 80
			9 590 40
	Total second quarter		2, 520. 49

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. PUBLIC ROADS INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			* 20.00
Jan. 3	T. H. Musson	Salary	\$60.00 3.45
5 6	Roy Stone T. H. Musson	Traveling expenses	60.00
U	E. G. Harrison	do	151.60
		Expenses	23. 57
10	Roy Stone	Traveling expenses	49. 46
10	Roy Stone. do Southern Rwy. Co	Expenses Passenger transportation	14. 80 28. 00
18 28	H H Brown	Supplies	1.50
31	Roy Stone et al	Salaries	361.60
Feb. 2	H. H. Brown Roy Stone et al. E. G. Harrison T. H. Musson	Supplies Salaries Salary do	120, 00
3	T. H. Musson E. G. Harrison	Traveling expenses	16. 00 25. 06
	do	do	13.46
15	do	dodo	5.48
18	T. H. Musson. New York, New Haven and Hartford R.R.Co.	do	5. 61
23 28	New York, New Haven and Hartford R.R.Co.	Passenger transportation	3, 67 326, 80
Mar. 11	Roy Stone et al. E. G. Harrison Roy Stone	Salaries Salary	75, 00
18	Roy Stone.	Traveling expenses	3.00
			18.43
00	dodododo	do	3.03
22	do	Expenses	12. 95 3. 00
30	John C. Parker	Stencil paper	1. 25
00	Roy Stone	Stencil paper Traveling expenses	26, 20
31	Roy Stone et al.	Salaries	361. 60
	Total third quarter		1, 774. 5
Apr. 4	E. G. Harrison	Salary	155.0
Apr. 4	Chicago, Rock Island and Pacific Rwy, Co	Passenger transportation	14, 6
30	Chicago, Rock Island and Pacific Rwy. Co Roy Stone et al.	Salaries	346, 1
May 20			19. 7
24	Roy Stonedo	Traveling expenses	10.66 91.06
. 31	Roy Stone et al.	Salaries	35 7 . 70
June 30	Roy Stone	do	
			200, 0
	Total fourth quarter		1, 200. 92
First qu	RECAPITULA	ATION.	1, 200. 99
First qua	RECAPITULA	ATION.	1, 200. 99
First qua Second q Third qu	RECAPITULA	ATION.	1, 200. 99
First qua Second q Third qu Fourth q	RECAPITULA	ATION.	1, 200. 9
Second q Third qu Fourth q	rter RECAPITUL uarter arter uarter uarter	ATION.	1, 200. 99 \$2, 365, 22 2, 520. 4 1, 774. 55 1, 200. 99
Second q Third qu Fourth q	RECAPITULA uarter arter uarter uarter tal PUBLICATION FARME	ATION. RS' BULLETINS.	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 19
Second q Third qu Fourth q	rter RECAPITUL uarter arter uarter uarter	ATION.	1, 200. 99
Second q Third qu Fourth q To Date.	RECAPITULA uarter uarter uarter uarter tal PUBLICATION FARME Name.	ATION. RS' BULLETINS. Nature of payment.	1, 200. 9: \$2, 365. 2: 2, 520. 4: 1, 774. 5: 1, 200. 9: 7, 861. 1: Total.
Second q Third qu Fourth q To Date.	RECAPITULA uarter uarter uarter uarter tal PUBLICATION FARME Name.	ATION. RS' BULLETINS. Nature of payment.	1, 200. 9: \$2, 365. 2: 2, 520. 4: 1, 774. 5: 1, 200. 9: 7, 861. 19 Total.
Second q Third qu Fourth q To Date. 1897. July 31 Aug. 31	reter RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et al do	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9: \$2, 365, 2 2, 520, 4 1, 774, 5; 1, 200, 9: 7, 861. 1: Total. \$219, 0 219, 0
Second q Third qu Fourth q To Date. 1897. July 31 Aug. 31	RECAPITULA uarter uarter uarter uarter tal PUBLICATION FARME Name.	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9. \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9. Total. \$219. 0 219. 0 115. 0
Date. 1897. July 31 Aug. 31 Sept. 16	reter RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et al do	ATION. RS' BULLETINS. Nature of payment. Salaries. Article on farm produce. Salaries.	1, 200. 9. - \$2.365, 2 - 2, 520. 4 - 1, 774. 5 - 1, 200. 9 - 7, 861. 1 Total. \$219. 0 219. 0 212. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. Hill R. B. Handy et al. Total first quarter	ATION. RS' BULLETINS. Nature of payment. Salaries. do Article on farm produce. Salaries.	1, 200. 9: \$2.365. 2: 2, 520. 4: 1, 774. 5: 1, 200. 9: 7, 861. 19 Total. \$219. 0: 219. 0: 212. 0: 765. 0:
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30	RECAPITULA uarter uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et al. Geo. G. Hill R. B. Handy et al. Total first quarter R. B. Handy et al.	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9. \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 765. 0 219. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. Hill R. B. Handy et al. Total first quarter	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 765. 0 219. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30	RECAPITULA uarter uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et al. Geo. G. Hill R. B. Handy et al. Total first quarter R. B. Handy et al.	ATION. RS' BULLETINS. Nature of payment. Salaries. do Article on farm produce. Salaries. Salaries. do do do	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et al. do Geo. G. Hill R. B. Handy et al. Total first quarter R. B. Handy et al. do do do do	ATION. RS' BULLETINS. Nature of payment. Salaries. do Article on farm produce. Salaries. Salaries. do do do	1, 200. 9 \$2. 365. 2 - 2, 520. 4 - 1, 774. 5 - 1, 200. 9 Total. Total. \$219. 0 219. 0 212. 0 765. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. HillR. B. Handy et alTotal first quarter R. B. Handy et aldo	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 650. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. HillR. B. Handy et alTotal first quarter R. B. Handy et aldo	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 220. 0
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31 1898. Jan. 27 31 Feb. 28	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. HillR. B. Handy et alTotal first quarter R. B. Handy et aldo	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9. \$2. 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 650. 0 200. 0 223. 9 248. 8
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. HillR. B. Handy et alTotal first quarter R. B. Handy et aldo	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9 - \$2.365. 2 - 2, 520. 4 - 1, 774. 5 - 1, 200. 9 - 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 650. 0 200. 0 23. 9 248. 8
Date. Date. 1897. July 31 Aug. 31 Sept. 16 30 Oct. 30 Nov. 30 Dec. 31 1898. Jan. 27 31 Feb. 28	RECAPITULA uarter uarter uarter tal PUBLICATION FARME Name. R. B. Handy et aldoGeo. G. HillR. B. Handy et alTotal first quarter R. B. Handy et aldo	ATION. RS' BULLETINS. Nature of payment. Salaries	1, 200. 9 \$2, 365. 2 2, 520. 4 1, 774. 5 1, 200. 9 7, 861. 1 Total. \$219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 219. 0 220. 0

$Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

PUBLICATION FARMERS' BULLETINS-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Apr. 22 30 May 31 June 9 21	S. M. Tracy. C. H. Greathouse et al	Salaries do Article on tomatoes Article on sorghum	\$120.00 197.80 306.60 150.00 120.00 296.70
	Total fourth quarter		1, 191. 10
	Supplemental.	•	
July 27	O. C. Butterweck	Manuscript on tobacco culture	150.00
Tu .	RECAPITULA		765.00

First quarter	765.00
Second quarter	650,00
Third quarter.	891.04
Fourth quarter	1, 191, 10
Supplemental	150.00
-Fr	
(D-4-1)	0 045 14

PUBLICATION FARMERS' BULLETINS SETTLED AT UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1897. Oct. 4	The Public Printerdodo.	do	\$1, 905. 41 3, 033. 35 6, 049. 99
1898. Jan. 24	do	do	1, 311. 15 1, 784. 97 905. 81
Mar. 26	dododododo	do	2, 808, 54 3, 108, 26 749, 38
May 25 Sept. 16	do do do	dodo	3, 245. 11 2, 257. 92 3, 117. 08 1, 042. 44
	Total		31, 319. 41

ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.

1897. July 31 Aug. 5 6 18 20 25 Sept. 31 Sept. 3 4 10 20	H. S. Walter et al. Philadelphia Photo-Engraving Co. H. H. Brown. do. Mackall Bros. & Flemer John P. Nawrath. Philadelphia Photo-Engraving Co. do do. do. H. S. Walter et al. Henry H. Brown A. H. Baldwin Philadelphia Photo-Engraving Co. do do do do H. S. Walter et al. Henry H. Brown A. H. Baldwin Philadelphia Photo-Engraving Co. do do do do do do do H. S. Walter et al. H. S. Walter et al. H. S. Walter et al.	Engraving Artists' material Prints Gum arabic Twine Engravings do do do Salaries Photographs Drawings engraving do do do do do do Ado do Salaries	2, 053, 34 4.70 9.48 -60 69, 12 56, 47 3.00 1.52 1.15 2.40 2, 201, 75 6, 61 19, 75 11.40 3.24 13.46 3.07 3.00 2.25 4.50 2, 172.59
	Total first quarter		6, 643. 40

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.		Name.	Nature of payment.	Total.
1897.				
Oct.	2	Philadelphia Photo-Engraving Co	Engraving	\$35. 3 6. 7
		do	dodododo	6. 7
		do	do	6, 0 2, 2
	5	Maurice Joyce Engraving Co	Electrotypes	13. 3
		H. H. Brown	do	2. 9
	6		Photographic supplies Trays Drawing board Electrotyping Envelopes	6. 1
	7	CO H. A. Schmidt Maurice Joyce Engraving Co Springfield Envelope Co do Ralph Shorrock Philadelphia Photo-Engraving Co	Drawing board	2. 5 2. 6
1:	2	Maurice Joyce Engraving Co	Electrotyping	4.4
2	0	Springfield Envelope Co	Envelopes	813. 1
2	2	Springheit Envelope Co. do do Ralph Shorrock Philadelphia Photo-Engraving Co. do do do	Photographing on wood	581. (
-		Philadelphia Photo-Engraving Co	Portrait Secretary Wilson	2.1
		do	Engraving	3. 1
	- }	do	do	3, (
	1	do	do	2.5
		do	do	1.
		do	do	. 8
3	0	H S Waltaret al	Salaries	. 7
.70		H. S. Walter et al. Maurice Joyce Engraving Co	Electrotyping	2, 421.
		do	do	3.
1	7	Springfield Envelope Co Gatchel & Manning	Envelopes Portrait Hon. Jas. Wilson	79.
1:	0	Manning Layer Engraving Co	Portrait Hon. Jas. Wilson	5.
1.	0	dodo	Engraving.	2
		Fred A. Schmidt	Paper	8.
		Maurice Joyce Engraving Co do Fred A. Schmidt	Electrotypes. Engraving Paper Blue print paper	
1 2		Jno. C. Parker R. Shorrock	Manifa paper Manifa paper Photographing on wood do Engraving do Electrotypes	270.
ے	-	dodo	r notographing on wood	2.
	Ш	do Levytype Co	Engraving.	10.
2	3	Photo-Engraving Co	do	3.
	1	Photo-Engraving Co Maurice Joyce Engraving Co	Electrotypes	3. 7.
2	9	Mackall Prog. C. Elleman	Cum anabia	1. 90.
3		H. S. Walter et al. Philadelphia Photo-Engraving Co. Fred A. Schmidt Harry C. Jones Fred A. Schmidt	Salaries	2, 489.
ec.	1	Philadelphia Photo-Engraving Co	Engraving Drawing pens Engraving Artists' materials	1 .
	2	Harry C. Japan	Drawing pens	22.
	-	Fred A. Schmidt	Artists' materials	52. 21.
				20.
	6	H. H. Brown Gatchel & Manning do	Photo supplies Engraving of Secretary Engravings Drawings of mushrooms Paint	2.
	9	do Manning	Engraving of Secretary	4.
1	0	A. H. Baldwin	Drawings of mushrooms	3. 5.
		Fred A. Schmidt	Paint	1.
1	4	A. H. Baldwin Fred A. Schmidt Maurice Joyce Engraving Co.	Paint Electrotypesdo	5.
		do	Energyines	1.
1		do Ralph Shorrock H. C. Jones do	Engravings. Photographing on wood	1. 1 4.
2	0	H. C. Jones	Engraving.	4.
-2	2	Maurice Joyce Engraving Co	do do	4.
3		H. S. Walter et al.	Salaries	3.
		The state of the s	Salatio	2, 014.
		Total second quarter		9, 073.
1898.				
	3	R. Shorrock	Photos on wood.	4.0
	4	Maurice Joyce Engraving Co	Electrotypes	44. 1.
	0	Maurice Joyce Engraving Co Estate of C. M. Bell	Electrotypes	1.
1	5			20.
1		do	Engraving	5.
1	8	H. C. Jones	Electrotypes. Engravingdodo	4. 3.
	0	do	do	9.
2	Z	Maurice Joyce Engraving Co do H. C. Jones do Maurice Joyce Engraving Co do Maurice Joyce Engraving Co do H. S. Walter et al R. Showet	Electrotypingdo	6.
3	1	H. S. Walter et al.	Salaries	1. 007
	1	R. Shorrock	Photographing on wood	1, 887. 11.
		R. Shorrock Photo-Engraving Co Springfield Envelope Companydo	Salaries. Photographing on wood Engraving Envelopes	12.
		Springfield Envelope Company	Envelopes	594.
			do	558.
		Harry C. Jones		240. 4 21. 3

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
eb. 2	Geo. E. Howard	Drawing	\$20.
15	H. H. Brown	Photographs	
17	Levy Type Co	Engraving.	3.
	Maurice Joyce Engraving Co	Electrotypes	6.
	A. P. McElrov	Frame	2.
21	Gatchel & Manning	Engraving	10.
25	A. P. McElrov	Frame	4.
28	H. S. Walter et al	Salaries	1, 534.
Iar. 1	R. Shorrock	Photographing on wood	22.
2	Maurice Joyce Engraving Co	Electrotypes	· 2.
	H. C. Jones	Engravings	4.
	H. H. Brown	Photographic supplies	1.
5	H. C. Jones	Engraving	12.
21	Fred A. Schmidt	Tracing cloth, etc	5.
22	Maurice Joyce Engraving Co	Engraving	2.
23	H. C. Jones	do	8.
31	H. S. Walter et al.	Salaries	1, 763.
4	Total third quarter	-	6, 828.
	•	=	
pr. 2	H. C. Jones	Engraving	3.
	Mackall Bros. & Flemer	Gum arabic	86.
	Riley & Walker	Wooden tags	7.
6	Maurice Joyce Engraving Co	Electrotypes	3.
16	E. Morrison Paper Co	Manila envelopes	79.
	John C. Parker	Letter files	3.
19	R. Shorrock	Photographing on wood	8.
4	H. C. Jones	Engraving	8.
22	Maurice Joyce Engraving Co	Electrotypes	8.
	do	Engraving	6.
	Fred. A. Schmidt	Pencils, etc	22.
	do	Brushes, paint, etc	13.
25	H. C. Jones	Engravings	2.
	Maurice Joyce Engraving Co	Electrotypes	2.
26	Otto Heidmann	Engraving	252.
30	H. S. Walter et al.	Salaries	2,650.
Lay 6	Maurice Joyce Engraving Co	Electrotypes	5.
20	H. C. Jones	Engraving	1.
	William R. Scholl	Traveling expenses	49.
	R. Shorrock	Photographing on wood	3.
31	H. S. Walter et al.	Salaries	1, 902.
une 6	Maurice Joyce Engraving Co	Electrotypes	5.
30	Lizzie Lawlor et al	Salaries	1, 428.
	Total fourth quarter		6, 552.
	Supplemental.		
uly 2	Springfield Envelope Co	Envelopes	691.
13	Fred. A. Schmidt	Pencils	13.
18	Ernest Betz	Paste cup.	1.
22	Library Bureau	Buff guides	-:
ct. 8	Maurice Joyce Engraving Co	Electrotypes	i i
22	George F. Muth & Co	Paste brushes	6.
	Total		714.
	RECAPITULA		

First quarter	\$6, 643, 40
Second quarter	9, 073, 39
Third quarter. Fourth quarter	6, 828, 25
Supplemental	714. 20
- uppromenent	

29, 811. 47

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Dat	te.	Name.	Nature of payment.	Total.
189				***************************************
July	31	E. S. Harnden et al N. E. Hansen	Salaries Salary	\$985, 63 300, 00
Aug	14	R. J. Whittleton et al N. E. Hansen	do	27. 17
	31	R. J. Whittleton et al	do Salaries Salary Salary	1, 130. 13
Sept	30	N. E. Hansen R. J. Whittleton et al	Salary Salaries	300.00 1, 102.00
	30			
		Total first quarter		3, 844. 93
Oct.	4	N. E. Hansen	Salary	300.00
	21	N. Studer	Palms	75. 00 815. 00
	30	R. J. Whittleton et al	Bulbs Salaries	475. 10
Nov.	4	W. A. Wanda R. J. Whittleton et al N. E. Hansen	Salary	300.06
	5		BoxesPalms	120.00
	16	Alex. Schmid Clark Bros J. C. Vaughn W. F. Allen, jr. R. J. Whittleton P. J. Berckmans	Tulins	18. 00 187. 20
	17	W. F. Allen, jr.	Tulips Strawberry plants Salaries	185. 50
-	30	R. J. Whittleton	Salaries	407.80
Dec.	1	J. R. Freeman	Camphor plants	40. 00 553. 75
	4	Mrs. John Bogert	Camphor plants Plants Camphor seeds	14, 00
	31	N. C. Hansen	Salary	300.00
		John C. Dabney	Traveling expenses	8. 65 1. 90
		James Marisan	Expenses	1. 90 150. 00
		Kepler Hovt	do	35. 87
		J. K. Freeman Mrs. John Bogert N. C. Hansen John C. Dabney do James Morison Kepler Hoyt do J. Whittleton et al	Salarydo Traveling expensesSalaries	6.30
		R. J. Whittleton et al	Salaries	1,372.08
100	0	Total second quarter		5, 366. 15
189 Jan.	8.	N. E. Hansen	Salary	300,00
CF CCAA	18	Peter Henderson & Co	Grass seed	12,00
	25 27	John C. Parker	Wax paper	11. 70 7. 50
	27 31	R. Maitre.	Camphor seed	7. 50 103. 30
	31	James Morison	do	150. 00
		Kepler Hoyt James Morison R.J. Whittleton	Salary do Salaries Cotton seed.	1, 652. 09 6. 25
Feb.	1	J. B. Allen T. S. Hubbard Co Pennsylvania R. R. Co J. Kessebring R. Schröder	Cotton seed	6. 25
	2	Pennsylvania R. R. Co	Grape vines	304.00 27.00
	-	J. Kessebring	Tree plants (Russian)	395. 95
		R. Schroder Geo. W. Knox Express Co. Baltimore and Ohio R. R. Co. Prollins & Wirekan	Tree plants (Russian)	62. 71
		Reltimore and Ohio P. P. Co	Freight on plants	125. 91
	3	Prollins & Wirekan	Freight from Moscow to Bremen	13. 50 16. 41
	5	N. E. Hansen	Salary	16.41 300.00
	8	Riley & Walker August Rolker & Sons	Freight from Moscow to Bremen Salary	30.00
	10	Peter Henderson & Co	Sugar-beet seed	1, 279, 36
		Peter Henderson & Co Philadelphia, Wilmington & Baltimore R. R.	Seeds	122.00 773.27
	15	UO.		5, 110. 70
		Henry Phillipps Seed and Implement Cododo	do	4, 259. 68 4, 774. 49
		do	do	4, 774. 49
	17	do	Advertising	99.86
	19	J. Kessebring	Advertising Seeds (Russia)	10. 80 26. 21 8, 269. 93
	21 25	Henry Phillipps Seed and Implement Co	do	8, 269. 93
	25	People's Dispatch Co	Drayage	8.00
	26	John C. Parker	Drayage Sawdust Seed bags	2.00 170.00
	00	do	Tags.	8,00
	28	Henry Phillipps Seed and Implement Co	Seeds	4, 659, 76
		Hepler Hoyt	Salarydo	150.00
	.	do Henry Phillipps Seed and Implement Co James Morison Hepler Hoyt N. C. Hansen R. J. Whittleton et al Evening News Publishing Co Plant Seed Co D. C. Badger Aug. Rhotert N. C. Hansen	do	93. 40 300. 00
Man	,	R. J. Whittleton et al	Salaries	1, 752. 01
Mar.	1	Evening News Publishing Co	do Salaries Advertising Seeds	3.60
		D. C. Badger	Seeds Seed corn	2.75 2.50
		Aug. Rhotert	Beet seed	1, 257, 62
		N. C. Hansen	Expenses August, 1897, to February, 1898, inclusive.	1, 257. 62 1, 227. 73
	2	J. H. Morris	ary, 1898, inclusive.	
		J. H. Morris . Geo. W. Knox Express Co . Randolph Paper Box Co .	Tobacco seed	25.00 2.25
	3	Pandalah Dan D C	D. 1	460.00

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Date.	Nature of payment.	Total.
1898.			
Mar. 3	Library Bureau	Cards	\$14.25
5	P. Mann & Co R. Piloto Riley & Walker Chas. T. Saylor F. W. Wood & Sons	Sacks Tobacco seed Tags	15.00
8	Riley & Walker	Tags	185, 00 15, 00
9	Chas. T. Saylor	Traveling expenses	15.00 25.35
10	F. W. Wood & Sons	Seeds	1.58
	Edw. Rumley Jno. T. Bailey & Co	Camphor seeds	4.00
	Jno. T. Balley & Co	Seed sacksdo	112.50 30.18
15	Chas W Carrier	Traveling expenses	36. 80
16	Henry Phillipps Seed and Implement Co Edwd. S. Schmid Adams Express Co.	Traveling expenses	5, 896. 69
17	Edwd. S. Schmid	Labels. Transportation	6.00
21	Adams Express Co	Transportation	. 90
22	Rudolph West & Co	Hardware	1. 60 2. 36
	Rudolph, West & Co. Mackall Bros. & Flemer.	Hardware Tubes, corks Seeds	357. 64
23	J. M. Thorburn & Co	Seeds	11.03
0.1	Geo. Stanton	Ginseng seed Salary do Salaries	4.50
31	Jas. Morison	Salary	150.00
	Kepler Hoyt R. J. Whittleton et al	Salaries	103.30 1,654.88
	A. C. Mann et al.	do	124. 00
	Total third quarter	• • • • • • • • • • • • • • • • • • • •	47, 121. 80
Apr. 1	F. Barteldes & Co	Seeds	1.75
Apr. 1	T. C. McCullonah	3	1.00
	J. C. Rectinough L. E. R. Lambrigger J. M. Thorburn & Co J. C. Vaughn Alexander Drug and Seed Co Geo. A. Shehan Jno. C. Dabney N. C. Hangon	do	. 25
	J. M. Thorburn & Co	do	. 60
	J. C. Vaughn	Sachaline	. 50
	Geo A Shehen	Seeds.	. 65
	Jno. C. Dabney	Lumber Traveling expenses	1.73 19.75
5	N. C. Hansen	Salary	300.00
6	N. C. Hansen. United States Express Co. Henry Phillipps Seed and Implement Co	Transportation	7.44
7	Henry Phillipps Seed and Implement Co	Transportation Seedsdo	5, 962. 05 5, 923. 91
8	do. Chas. F. Saylor. do. C. H. Thompson Chas. R. Edmonston	Traveling expenses Expenses Salary Measures Sugar-beet seed	- 83.83
	dodo	Expenses	4. 65
13	C. H. Thompson	Salary	63.06
14	Chas. R. Edmonston	Measures	3. 31
15		Sugar-beet seed	4.50 12.86
	Robt. Gair H. H. Berger & Co Adams Express Co.	Tuberoses Transportation	1.00
16	Adams Express Co	Transportation	1, 90
18	Chicago and Northwestern Rwy. Co	Passenger transportation	. 79
19	Samuel B. Woods	Corn.	3.12
	August Rolker & Sons	Sugar-beet seed	195. 50 6, 700. 06
	Henry Phillipps Seed and Implement Co	do	5, 019, 04
20	Jno. C. Parker	Manila paper Labels Sugar-beet seeds	6. 75 7. 50 99. 68
22	Edwd. S. Schmidt	Labels	7.50
25 25	Willet & Gray People's Dispatch Co.	Transportation	73.44
20	United States Express Co	do.*	125. 76
	dodo.	Seeds	125. 76 17. 92 1. 26
29	Portland Seed Co	Seeds	1.26 362.60
30		Salariesdo	118. 6 0
	Kepler Hoyt C. H. Thompson Jas. Morison	Salary	98, 90
	C. H. Thompson.	Salarydo	98. 90 115. 00
	Jas. Morison	do	150.00
M	N. C. Hansen	M-compa etc	300.00
May 4	United States Express Co	Measure, etc Transportation	1. 55 258. 35
	Rudolph, West & Co	Wire Transportation	15. 12
•	Adams Express Co	Transportation	4. 75
7	Henry Phillipps Seed and Implement Co	Seedsdo	4, 165. 98 3, 814. 71
	do	do	3, 814. 71
9	Geo. W. Knox Express Co.	Transportation	25.19
	Chas. F. Saylor.	Traveling expenses	91.40 6.75
	do	Transportation Traveling expenses Expenses Seeds	6.75
10	Henry Phillipps Seed and Implement Co	Seedsdo	2, 406, 04
13	N. C. Hansen F. P. May & Co. United States Express Co. Rudolph, West & Co. Adams Express Co. Henry Phillipps Seed and Implement Co. do. do. Geo. W. Knox Express Co. Chas. F. Saylor do. Henry Phillipps Seed and Implement Co. do. Geo. W. Knox Express Co. Chas. F. Saylor C	Transportation Wooden tags Services	6, 214. 77 2. 33
	TOTAL OF THE IN	Wooden tags	30.00
	Kiley & Walker		48, 22

PURCHASE AND DISTRIBUTION	OF VALUABLE SEEDS-Continued.
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D	ate.	Name.	Nature of payment.	Total.
18	898.			
Ma	y 20	Jackson & McDonnell	Currants, etc	\$64.76
		Mary Best Henry Phillipps Seed and Implement Co Library Bureau	Sorghum seed	4.00 1,350,05
		Library Bureau	Cards	25. 50
	21	T. O. Crawford	Seed cleaner	20.00
	23	Peter Henderson & Co	Seeds	10.30
	24	W. H. Stellmann	Seeds. Cleaning seed. Osage orange	25. 00 5. 00
		T. O. Crawford Peter Henderson & Co. W. H. Stellmann J. M. Thorburn & Co. Henry Phillipps Seed and Implement Co. A. J. Patterson Frek'd Springmann Alabama and Vicksburg Rwy. Co. Yazoo and Mississippi Valley Rwy. Co. Baltimore and Ohio R. R. Co. Adams Express Co.	Osage orange Seeds Balata seed Transportation Passenger transportationdodo Transportationdo Transportationdodo Transportationdodo Transportation	4.51
	25	A. J. Patterson	Balata seed	1.68
		Frek'd Springmann	Transportation	2, 50
	26	Alabama and Vicksburg Rwy. Co	Passenger transportation	1.30 6.60
		Raltimore and Ohio R. R. Co	do	17. 00
	28	Adams Express Co	Transportation	138, 78
		United States Express Co	do	19. 25 6. 78
	01	do.	do	6, 78 6, 00
	31	R. T. Whittleton et al	Traveling expenses	374. 80
		A. C. Mann et al.	do	122. 80
Jun	ne 1	Baltimore and Ohio R. R. Co Adams Express Co. United States Express Codo. Kepler Hoyt R. J. Whittleton et al. A. C. Mann et al. J. P. Morison.	do Expenses	14.25
	0			2. 70
	2,	N. E. Hansen J. W. Mitsschurin People's Dispatch Co	Salary	300.00 106,50
	6	People's Dispatch Co	Seeds Transportation	388. 12
		Edw.S. Schmid. Whitney Noyes Seed Co	Moss Cleaning seeds	6, 25
	9	Whitney Noyes Seed Co	Cleaning seeds	28.61
	10	Jas. Morison Adams Express Co T. W. Wood & Son	Salary Transportation	72. 58
	. 15	T W Wood & Son	Sugar comp	3.50 1.50
	. 10	Jno. R. Thayer Jno. T. Bailey & Co L. F. Jackson Chas F. Saylor	Sugar corn Field and garden seeds	1, 650. 19
		Jno. T. Bailey & Co	Cotton seed bags	4. 28
	10	L. F. Jackson	Alfalfa seed	1, 019. 16
	16	Chas F. Saylordo	Traveling expenses	114. 74 1. 25
	20	D413 C3 C-	Expenses	. 90
	22	Henry Phillipps Seed and Implement Co Prollius & Wirckan. Haage & Schnidt Raleigh and Gaston R. R. Co. Texas and New Orleans R. R. Co.	Expenses Seeds do Freight on seeds	687.12
	23	Prollius & Wirckan	Freight on seeds	1.47
	0.4	Haage & Schmidt	Seeds	33. 02
	24	Toyon and Way Orleans P. P. Co	Passenger transportation	5. 85 10. 85
		Raleigh and Gaston R. R. Co. Texas and New Orleans R. R. Co. Western Railway of Alabama. International and Great Northern R. R. Co. Wabash Railroad Co.	do	3.48
		International and Great Northern R. R Co	do	3.40
	0.5	Wabash Railroad Co August Rolker & Sons	Transportation seeds	4.90
	25 28	August Rolker & Sons	Sugar-beet seeds	10.00 180.00
	30	N. C. Hansen R. J. Whittleton et al	Seeds Sealary Salaries	392, 60
	00	A. C. Mann et al.	Salaries.	118. 60
		Total fourth quarter		52, 372. 60
				02, 012.00
		Supplemental.		
Jul	y 2	People's Dispatch Co	Transportation	. 29
	6 19	United States Express Co. Southern Rwy. Co.	do	11. 18
	21	Rilay & Walker	Wooden tags	9. 90 5. 00
	23	Henry Phillipps Seed and Implement Co	Turnin seed	75.00
	25	Southern Rwy. Co	Passenger transportation	3. 65
	0.77	A. J. McKee & Co	Forceps	2. 20
	27	Southern Rwy, Co. Riley & Walker. Henry Phillipps Seed and Implement Co Southern Rwy, Co A. J. McKee & Co. Pennsylvania Co. Mobile and Ohio R. R. Co Louisville and Nashville R. R. Co Columbus, Hocking Valley and Toledo Rwy, Co.	Passenger transportation	27. 00 6. 91
		Louisville and Nashville R. R. Co	do	7. 15
		Columbus, Hocking Valley and Toledo	do	13.50
		Rwy. Co.	m 1:	
		do	Traveling expenses	45. 84
Aug	g. 3	Niels E. Hansen	Salary	8. 15 150, 00
Sep	it. 3	Rwy. Co. Chas. F. Saylordo Niels E. Hansen R. F. Patterson Chicago and Northwestern Rwy. Co Union Pacific, Denver and Gulf Rwy. Co Central of Georgia Rwy. Co Southern Rwy. Co	Seeds	46.43
	14	Chicago and Northwestern Rwy. Co	Transportation	7.54
		Union Pacific, Denver and Gulf Rwy. Co	Passenger transportation	3.70
	15	Southern Rwy Co	do	1. 29 3. 18
	10		do	6. 20
	23	Union Pacific R. R. Co Burlington and Missouri River R. R. in	do	17. 00
	24	Burlington and Missouri River R. R. in	Transportation	2.00
Oct	t. 10	Nebraska. Henry Phillipps Seed and Implement Co	Seeds	3, 116. 03
		TI		-, -2000

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Oct. 10 Nov. 4	Supplemental—Continued. Henry Phillipps Seed and Implement Codo. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Adams Express Co. Total	do	\$2, 799. 70 1, 367. 22 7. 27 2. 50 7, 745. 83

RECAPITULATION.

First quarter	\$3,844.93
Second quarter	
Third quarter	
Fourth quarter	52, 372, 60
Supplemental	7, 745. 83

INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

Date.	Name.	Nature of payment. ·	Total.
1897.			
ug. 7	Chas. F. Saylor	Salary	\$225.
0	do		87.
	do	Expenses	5.
31	H. W. Wiley	Traveling expenses	97.
ept. 9	Chas. F. Saylor		119.
	do	Expenses	2.
	do		225.
24	Chicago, Milwaukee and St. Paul Rwy Co	Passenger transportation	7.
	Minnesota and St. Louis R. R. Co	do	3.
	Total first quarter		772.
ct. 1	Jno. C. Parker	Tags	20.
9	Chas. F. Saylor	Salary	225.
	do	Expenses	2.
14	J. M. Hines	Traveling expenses	11.
15	do	Salary	100.
19	Chas. F. Saylor	Traveling expenses	101.
25	Northern Pacific Rwy. Co	Passenger transportation	23.
30	J. M. Hines	Salary	200.
ov. 5	do	Traveling expenses	89.
8	Chas. F. Saylor	Salary	225.
	do	Traveling expenses	54.
	do	Expenses	5.
	H. W. Wiley	Traveling expenses	94.
9	Adams Express Co		3.
0.0	United States Express Co		8.
20	Chicago and Northwestern Rwy. Co		17.
	Great Northern Rwy. Co	do	4.
90	Southern California Rwy. Co		14. 200.
30	J. M. Hines	Salary	
ec. 2	Oregon Short Line R. R. Co	Passenger transportation	16.
	New York Central and Hudson River R. R.	do	3.
	Oregon Railroad and Navigation Co	do	17.
	Pennsylvania R. R. Co.		9.
	do	do	2.
4	Chas. F. Saylor	Salary	225.
-	do	Traveling expenses	79.
	do	Expenses	2.
11	J. M. Hines.	Traveling expenses	116.
21	do	Salary	96.
21	do	Traveling expenses	65.
22	United States Express Co	Transportation	7.
	Adams Express Co	do	7.
23	Jno. C. Parker	Tags and labels	18.
	Total second quarter	-	2, 068.

INVESTIGATING PRODUCTION (OF DOMESTIC SUGAR-Continued.
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Missouri Kansas and Texas Rwy. Co	Date.	Name.	Nature of payment.	Total.
Missouri Pacific Rwy. Co	Jan. 3 (1) 5 8 (2) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Missouri, Kansas and Texas Rwy. Co. Chas. F. Saylordo. Wabash Railroad Co. do. Illinois Central R. R. Co. Michigan Central R. R. Co.	Passenger transportation. Expenses Traveling expenses Transportation do do	\$225. 00 1. 05 6. 60 117. 18 9. 87 7. 84 7. 66 5. 50
Co. Chicago and Northwestern Rwy. Co do Chicago and Northwestern Rwy. Co Chicago and N	Fab 2 1	Missouri Pacific Rwy. Codo	do	14. 80 2. 85 14. 96 35. 30 13. 81 . 35 225. 00
Chas. F. Saylor Salary 2	25	Co. Chicago and Northwestern Rwy. Co Chas. F. Saylor People's Express Co. G. W. Knox Express Co.	do	24. 90 8. 70 3. 15 9. 80 47. 35 9. 23 5. 56
25 United States Express Co. Transportation.	21 A 21 I	Chas. F. Saylor Adams Express Codo. H. M. Whitney Chas. F. Saylor	Salary Transportation do Sugar cane seed Salary	1. 70 225. 00 4. 90 15. 05 8. 50 225. 00 1, 276. 61
30 Chas. F. Saylor Salary 2	25 T	do United States Express Co. do. Chas. F. Saylor	Transportationdo .	29. 99 5. 25 2. 95 7. 95 225. 00
24 Southern Pacific Co. (a. s.)	une 9 C	Chas. F. Saylor Southern Pacific Co. (a. s.). Total fourth quarter	Salary	6, 00 225, 00 1, 68 503, 82
July 1 Chas. F. Saylor Salary 2 6 United States Express Co. Transportation 2 Sept. 12 Atchison, Topeka and Santa Fe Rwy. Co. do	uly 1 C ept. 12 A	Chas. F. Saylor	Transportationdo	225, 00 26, 35 3, 20 254, 55

RECAPITULATION.

F	irst quarter	\$772.01
S	econd quarter	2, 068, 90
T	Inira quarter	1, 276, 61
F	ourth quarter	503, 82
S	upplemental	254.55
	·	
	M-4-1	

BUREAU OF ANIMAL INDUSTRY.

Da	te.	Name.	Nature of payment.	Total.
July	21 22	John C. Parker. Max F. Foerster. E. Morrison Paper Co Capital Traction Co. J. H. Monrad E. A. de Schwenitz	Services Rubber bands Street-car tickets Services	70.17 2.00 8.00 32.26

Date.	Name.	Nature of payment.	Total
1897.			
ug. 24	C.D. Johnson	Hogs	\$34
	Jas. Bellwood	Board of cattle	22 20
	F. J. Tharp.	Hogs	20
	Jas. Bellwood F. J. Tharp J. Knudsen E. J. Brooks & Co do do	Board of cattle Hogs do Seals and wires do	20
	E.J. Brooks & Co	Seals and wires	42
	do	do	42
	H. C. Sisson	Filling and grading for barns	348
25	Gustav E. Stechert Logan, Swift & Brigham Envelope Co Bay State Clean Towel Furnishing Co Waite & Parkhurst Dennison Manufacturing Co dodo	Books Supplies Towel supply Butter boxes Tags	940
20	Logan, Swift & Brigham Envelope Co	Supplies	25
	Bay State Clean Towel Furnishing Co	Towel supply	2
	Waite & Parkhurst	Butter boxes	(
	Dennison Manufacturing Co	Tags	4
1	do	do	18
	do	do	18
	R. K. Weaver	Awning	25
	The Office Toilet Supply Co	Towels	22
	S. Hayner	Hogs	18
	do R. K. Weaver The Office Toilet Supply Co S. Hayner J. M. Campbell R. T. Feltch The Consumers' Co Rand, Mc Nally Co R. S. McCurdy J. Haberle Omaha Printing Co Evans Laundry Co. A. Klein W. W. Wilcox & Co Robt. R. Montgomery Jas. C. Holmes G. A. Shuster A. Holzmark Chicago Car Seal and Manufacturing Co. A. O. Stoeltzing	do	1: 10
	The Congressors' Co	Ice	1
	Rand McNally Co	Stationery	
1	R S McCurdy	Stationery Towels Repairing lock box	
	J. Haberle	Renairing lock box	
1	Omaha Printing Co	Bath and wringer	1
	Evans Laundry Co	Bath and wringer. Towels Soap Stamp pads	
	A. Klein	Soap	
	W. W. Wilcox & Co	Stamp pads	
1	Robt. R. Montgomery	Hogs	
	Jas. C. Holmes	Printing cards	
	G. A. Shuster	Clothes hampers	
	A. Holzmark	Stamp pads Hogs Printing cards. Clothes hampers Rubber tips Seals Repair to boiler, etc Office rent Hire horse and buggy	
į	A O Stooltging	Popair to boiley etc	
	Nolson P. Hinkley	Office rort	2
1	do	Hire horse and huggy	4
1	N. Rufus Gill	Office rent	10
	J. N. Turner & Co.	do	1:
	Jno. Broderick	do	1
	B. P. Oliver	do	20
	James Stikeman	do	4
	Joseph F. Dean	do	40
	St. Joseph Stock Yards Co	do	1:
	Kansas City Stock Yards Co		1;
1	St. Louis National Steel Vends Co	do	1:
1	Cahon & Prymo	do	991
	Packers' National Rank	do	29 22 50
	G W Tourtelot	do	4
	Pacific Telephone and Telegraph Co.	Telegraph service	10
	New England Telephone and Telegraph Co	do	13
	Orlando B. Hess	Hire of horse and buggy	30
	New York Telephone Co	Telephone service	2:
	A. Holzmark Chicago Car Seal and Manufacturing Co. A. O. Stoeltzing Nelson P. Hinkley do N. Rufus Gill J. N. Turner & Co Jno. Broderick B. P. Oliver James Stikeman Joseph F. Dean St. Joseph Floen St. Joseph Stock Yards Co. Kansas City Stock Yards Co. Kansas City Stock Yards Co. St. Louis National Stock Yards Co. St. Louis National Stock Yards Co. Gahan & Byrne Packers' National Bank G. W. Tourtelot Packers' Telephone and Telegraph Co. New England Telephone and Telegraph Co. Orlando B. Hess New York Telephone Co Albert E. Behnke Cleary Bros.	Hire of horse and buggy	2
	Cleary Bros.	Hire of horse and buggy and sad-	4:
	John Forbes	dle horse.	4.7
	John Foroes	d0	18 18
	Jas. W.Davis O. J. Lanigan O. E. Dyson Nebraska Telephone Co. David Swanson Chicago Telephone Co Kansas City, St. Joseph and Council Bluffs	do	18
	O. E. Dyson	do	15
	Nebraska Telephone Co	Rent telephone	4
	David Swanson	Repairing scissors	:
	Chicago Telephone Co	Telephone service.	29
26	Kansas City, St. Joseph and Council Bluffs	Passenger transportation	4
	A. A. Co.		
27		Illustrations	50
	Postal Telegraph-Cable Co	Telegraph service	21
	Arthur B. Morse.	Traveling expenses	21
28	Geo. E. Howard Postal Telegraph-Cable Co. Arthur B. Morse. Adams Express Co. F. C. Sabroedor	Transportation	10
31	E. C. Schroeder F. L. Russell Chas. H. Blemer F. L. Russell	Illustrations Telegraph service Traveling expenses Transportation Office expenses Traveling expenses do Services	42 56
pt. 3	F. L. Russell	Traveling expenses	42
	Chas. H. Blemer	Campions	56
	F. L. Kussell	Services	56 13
	Albert E. Behnke	Omce expenses	19
	TO THE ITE I I I I I I I I I I I I I I I I I		
	Albert E. Behnke R. W. Hickmann. Wilfred D. Robbius Belt R. R. Stock Yards Co Whitall, Tatum & Co.	00	8

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
ept. 3	Danenhower & Co For	rage	\$232. 50
	W. M. Galt & Co	anguartetion	33.95 39.93
	W. M. Galt & Co International Navigation Co Trdo	do	1.00
	do Chas. O. Brockway Ta do W. H. Rose et al Sal C. Brey Ser Max F. Foerster Ser	do d	4, 20
	do	do	7.00 1,037.50
4	W. H. Rose et al	aries	1, 037. 50
			74.83
			12.75
	G. W. Ward Tr. Julius Huelson et al Sal	aveling expensesaries	15, 68
7	Julius Huelson et al Sal	aries	621.40
8	H, A. Hedrick et al.	do	478.30 176.90
8	Chas. M. Day et al	-do	252.70
	H, A. Hedrick et al. Joshua Miller et al. Chas. M. Day et al. Albert J. Payne et al. Jas. T. Stewart et al. Albert G. G. Richardson et al. Chas. Bullard et al. Wm. M. Balmer et al. David D. Lee et al. Thos. W. Oshel. Far K. Atherton.	.do	252.70 252.70
	Jas. T. Stewart et al	-do	701.81
	Ches Bullard et al	-do	337.73 1,004.29
	Wm. M. Balmer et al	do	798. 51
	David D. Lee et al.	.do	746. 95
	Thos. W. Oshel Ser	vices	75. 80
	Ira K. Atherton	.do	101. 10 101. 10
	F W Huntington	do	101. 10
	Z. D. Gilman Lo	ck boxes	280. 80
	do	pper oxide sieves	1.90
9	Harry N. Waller et al. Sal	aries	286, 50 810, 61
	P. W. Hickman et al	-do	1, 905. 90
	Jas. J. Brougham et al.	-do	1, 475, 58
	S. L. Brooking et al	. do	1, 475. 53 1, 038. 51 948. 00
	Louis R. Baker et al	-do	948. 00
	Chas O Brockway	and	896. 52 210. 00
	do In	erstate inspection stamps	65. 52
	Day 10 Deet 21 Thos. W. Oshel Set Ira K. Atherton W. C. Barth F. W. Huntington Lo. Z. D. Gilman Lo. do Co Harry N. Waller et al Sal Chas. A. Schaufler et al R. W. Hickman et al Jas. J. Brooking et al Louis R. Baker et al Thos. J. Turner et al Iros. J. Turner et al Louis R. Baker et al Iros. J. Turner et	port stamps	10.50
	do In	terstate stamps	210.00
	do Ex	port stamps	210.00
	u0 In	erstate inspection stamps	126.00
	do	port stamps	4. 20
	do	erstate inspection stamps	42.00 42.00
	do	erstate stampsdo	. 84
	do	.do	21, 00
	do do	.do	$\frac{4.20}{2.52}$
	do	-do	2.52
			1. 26 9. 75
	Wm. E. Pratt Ho H. Bradley Davidson Re	grings nt of land in Montgomery County, Md.	50.00
		County, Md.	
10	H. J. Ruppert Re	nt of land in Bennings, Md	50.00 160.58
10	A. P. Crawford et al. Sal Jno. Forbes et al. W. S. Cass et al. Albert Dean et al.	do	509 33
	W. S. Cass et al.	.do	536.14
	Albert Dean et al	.do	643.60
	Albert Dean et al. Morris Wooden et al. Archibald McBride et al. Trajan A. Shipley et al. Geo. C. Faville et al. F. J. Borland. Wm. T. Beckett Mrs. Eliza McKee. A. O. Brewer P. J. Johnson	-do	856.16
	Traian A. Shipley et al	do	176, 90 314, 90
	Geo. C. Faville et al	.do	338, 50
	F. J. Borland Ho	gs	38. 25
	Wm. T. Beckett	-do	33.00
	A. O. Brewer	do	12. 10 9. 60
	A. O. Brewer P. J. Johnson C. A. Hultine J. F. Cozad Chas. Fulton Dennison Manufacturing Co Indian	.do	7.20
	C. A. Hultine.	-do	5. 75
	Chas Fulton	-do	3.00
	Dennison Manufacturing Co. Ins	spection tags	2.00 126.00
	do	ecks	18.00
	C. M. Conver	gs	78.90
	The Springfeld Envelore Co	gs bber figures nila envelopes	19.80
	Rudolph, West & Co	h can	39. 75 2. 20
	Dennison Manufacturing Co	S	15.70
11			1, 517. 37

Date.	Name.	Nature of payment.	Total.
1897.			
pt. 11	Geo. S. Baker et al.	Salaries	\$832.
•	Lowell Clarke et al. W. H. Gibbs et al. Ernest M. Hutchinson et al.	do	693.
	W. H. Gibbs et al.	do	235.
	Orlando R Hoss et al		390. 237.
	Ernest M. Hutchinson et al. Orlando B. Hess et al. Thos. L. Armstrong W. S. Devoe et al. E. Balzer et al. E. Balzer et al. E. Balzer et al. Don C. Ayer et al. Clara Bunck et al. Benj. S. Paddock et al. F. M. Perry H. B. Waldron Tooie A. Geddes W. H. Wray J. F. Ryder	Services	34.
13	W. S. Devoe et al	Salaries	7, 312.
	Wm. H. Baker et al	do	7, 312. 2, 013.
	E. Balzer et al	do	4 167
16	Samuel Bennett et al	do	3, 226 2, 321 666
	Clara Runck et al	do.	666
	Benj. S. Paddock et al	do	390
	F. M. Perry.	Services	24
	H. B. Waldron	do	52 117
	W H Wross	00	387
	J. F. Ryder	do	168
	Max F. Foerster	do	70
	Blanch Roy	do	122
	C. J. Sihler	do,	122
	F M Pomy	Traveling expenses	41
	Tooie A. Geddes W. H. Wray J. F. Ryder Max F. Foerster Blanch Roy C. J. Sihlerdodof M. Perry Tooie A. GeddesdoW. H. Wray J. F. Ryder Henry E. Alvord H. B. Waldron C. Brez Louis K. Green et al Nelson P. Hinkley et al C. L. Morin Jno. A. Bell W. C. Rayen Wilfred D. Robbins Eva B. Markoe Lila Robinson Jno. MeBirney Abram M. Adams Harry B. Adair Peter I. Kershner Wm. D. Jordan W. E. Hill	do	5 66
	dodo	do	25
	W. H. Wray	do	12 45
	J. F. Ryder	do	45
	Henry E. Alvord	do	66
	H. B. Waldron	Convises	58
17	Louis K. Green et al	Salaries	1, 481
	Nelson P. Hinkley et al	do	815 16
	C. L. Morin	Services	16
	Jno. A. Bell	do	24
	W. C. Kayen	00	100 101
	Eva B. Markoe	do	4
	Lila Robinson	do	i
	Jno. McBirney	do	117
	Abram M. Adams	do	101
	Poter I Kershner	do	101 101
	Wm. D. Jordan	do	101
	W. E. Hill	do	117 117
	Arthur B. Morse	do	117
	Dan. McCunningham	do	101
	Ino P Mobler	do	101 101
	W. N. D. Bird	do	70
	Frank T. Shannon	do	101
	D. R. Way	do	52
	T	Traveling expenses	68
	Harry B. Adan Peter I. Kershner Wm. D. Jordan W. E. Hill Arthur B. Morse Dan. McCunningham De N. Jewett Jno. R. Mohler W. N. D. Bird Frank T. Shannon D. R. Way do Joseph M. Turner Walter E. Stoner Wm. A. Rushworth Louis A. Robinson Bernard P. Wende Jno. P. O'Leary W. S. Cass Mary Gorman Mary Somers Mary McShane Louis P. Cook Geo. S. Baker Wm. C. Honan Geo. Greaften	do	
	Wm. A. Rushworth	do	
	Louis A. Robinson	do]
	Bernard P. Wende	do	1 14
	Jno. P. U'Leary	do	14
	W. S. Cass	do	4
	Mary Somers	do	4
	Mary McShane	do	4
	Louis P. Cook	do	1.0
	Wm C Hopen		16 25
	Geo. S. Baker Wm. C. Honan Geo. Grafton Jno. McBirney Albert Dean Harry B. Adair Peter I. Kershner Victor A. Norgaard G. M. Brumbapuch	do	4
	Jno. McBirney	do	64
	Albert Dean	do	7
	Harry B. Adair.	do	91
	Peter I. Kershner		21 120
	G M Brumbangh	do	120
18	D. C. d. D. Handan	To the second	5
10	Easton & Rupp United States Electric Light Co W. H. Veerhoff W. M. Galt & Co E. M. Willis	T. W. oil	ē
	United States Electric Light Co	Electric current	5
	W. H. Veerhoff	Oak molding	.16
	W. M. Gall & Co.	Oats	, 19

te.	Name.	Nature of payment.	Total.
7.			
18	Z. D. Gilman	Scissors, etc	\$16.
	Rufus P. Clarke	Towels	19.
	Rufus P. Clarke Mackall Bros. & Flemer	Vaseline.	5.
	do		05
20	F. M. Hunter	Services	85. 113.
	Proved & Lowb Optical Co	Butter	13.
	F. W. Edmunds Bausch & Lomb Optical Co. Logan, Swift & Brigham Envelope Co.	Envelopes	28.
	W F Spurr	Butter	89.
0	Logan, Switt & Brigham Envelope Co. W. E. Spurr Chas, Cowie D. E. Salmon	Butter. Services Traveling expensesdo	20.
	D. E. Salmon	Traveling expenses	18.
	do	do	18. 32.
21	G. W. Ward Jas. W. Davis	Dervices	50.
	Jas. W. Davis	Hire horse and buggy	15.
	Marion Dorset	Traveling expensesdo	104.
	G. W. Ward	do	10.
	Marion Dorset	()fflice expenses	4.
	Thomas Manufacturing Co.	Meat hooks	6.
		Inspection tags	210.
	Chas. O. Brockway	Meat hooks. Inspection tags. Interstate stamps. Numbered cards.	42. 26.
	Chas. O. Brockway	Tags	26. 14.
	do	do	14.
	do	do	14.
	do	Stamps	10.
	Lemcke & Buechner	Book	3.
	J. H. Hobson	Boiler	97
22	J. H. Hobson Wm. Thompson et al R. S. McCurdy Rand, McNally & Co	Salaries	449. 11. 6.
-	R. S. McCurdy	Towels	11.
	Rand, McNally & Co	Paper, etc.	6.
	Chas. Suavely Jas. Bellwood Clark Davison J. B. Damewood	Clock	5.
	Jas. Bellwood	Board for cattle	5. 22.
	Clark Davison	Hogs	26.
	J. B. Damewood	do	20.
	N. R. Clayton	do	17.
	Jas. Whitman	do	53.
	C. H. Spaleing.	do	15. 34.
	J. B. Damewood N. R. Clayton Jas. Whitman C. H. Spalding Geo. F. Loy. W. W. Montague E. J. Cadwell A. K. Christensen W. L. Gordon U. S. Halow	do	34
	E. J. Cadwell	do	3.
	A. K. Christensen	do	31.
	W.L. Gordon	do	2.
	J. S. Haley	do	8.
	C. H. B. Carlson	do	2.
	Chicago Telephone Co	Telephone services	29.
	Pacific Telephone and Telegraph Co	do	10.
	Nebraska Telephone Co	do	4.
	New York Telephone and Telegraph Co.	do	13. 20.
	O E Dyson	Hira horse	15.
	David Swanson	Sharpening scissors	5.
	J. S. Haley C. H. B. Carlson Chicago Telephone Co Pacific Telephone and Telegraph Co Nebraska Telephone Co New England Telephone and Telegraph Co. New York Telephone Co O. E. Dyson David Swanson O. J. Lanigan The Consumers' Co.	Hire horse	15
	The Consumers' Co	Ice	* 8.
	The Office Toilet Supply Co	Towels	28.
	David Swanson O. J. Lanigan The Consumers' Co. The Office Toilet Supply Co. Cleary Bros G. N. Shuster	Hire horse and buggy	48
	G.N. Shuster	Hire horse and buggy Roller casters Hire horse and buggy	3.
	Jno, Forbes	Hire horse and buggy	15.
	Jao. Forbes Evans Laundry Co Bay State Clean Towel Furnishing Co Nelson P. Hinkley Co Jas. Irwin	Towels	5
	Nelson P Hinkley Co	Hive horse and human	5 40
	Jac Trwin	Services	. 84
	· do	Services	84
	Albert E. Behnke	Hire horse and buggy	25
	O. B. Hess	do	30
	Gahan & Byrne	Rent of office	225.
	St. Joseph Stock Yards Co	do	12.
	· Kansas City Stock Yards Co	do	15.
	Union Stock Yards and Transit Co	do	15.
	Jas. Irwindo	do	20.
	The Packers' National Bank	do	50
	Ino Broderick	do	29.
	N Rufus Gill	do	14.
	J. A. Turner	do	10 12
	J. A. Turner Jas. F. Dean Jas. Stikeman Nelson P. Hinkley Geo. W. Tourtellot	do	40.
	Jas Stikeman	do	41.

Date.	Name.	Nature of payment.	Total.
1897.			
Sept. 22 23	Herbert M. Smith		\$30.
	R.W. Hickman Danl. D. Lee. H. A. Hedrick. W. H. Rose. Chas. A. Schaufler Nelson P. Hinkley Julius Huelsen Jno. McBirney Albert E. Behnke W. S. Devoe. Don C. Ayerdo Thos. J. Turner Jas. T. Stuart S. L. Brooking. Wm. Thompson W. C. Barth. Wilfred D. Robbins W. S. Cass S. E. Bennett Jas. J. Brougham Geo. S. Baker A. G. G. Richardson Harry N. Waller Jno. Forbes Joshua Miller Jno. Forbes Joshua Miller Jno. Forbes Joshua Miller Jno. Forbes Joshua Miller	Office expenses	1.
	H. A. Hedrick	do	4.
	W. H. Rose.	do	14
	Chas. A. Schaufler	do	7.
	Nelson P. Hinkley	do	6.
	Ino McRirney	do	31
	Albert E. Behnke	do	16
	W. S. Devoe	do	9
	Don C. Ayer	do	6
	Thos T Tumor	do	3
	Jas. T. Stuart	do	3
	S. L. Brooking	do	2
	Wm. Thompson	do	2
	W. C. Barth	do	2
	W S Cass	do	$\frac{1}{2}$
	S. E. Bennett	do	1
	Jas. J. Brougham	do	1
	Geo. S. Baker	do	1
	A. G. G. Richardson	do	
	Ino Forbes	do	
	John Miller Joshna Miller Jno. A. Bell Geo. C. Faville Julius Huelsen	do	
	Jno. A. Bell	Traveling expenses	5
	Geo. C. Faville	do	6
	Fronk T Shannon	do	10 13
	dodo	do	9
	Wm, D. Jorden	do	44 58
	Dan. McCunningham	do	58
	W. C. Rayen	do	7
	Chas A Plamer	do	12 110
24	Julius Huelsen Frank T. ShannondodoWm. D. Jorden Dan. McCunningham W. C. Rayen Ida Bannister Chas. A. Blemer Galveston, Harrisburg and San Antonio	Passenger transportation	16
	Rwy. Co.		
	Chicago and Northwestern Rwy. Co	do	12
	Chicago and Alton R. R. Co	do	12. 7. 11.
	Denver and Rio Graude R. R. Co	do	6
	Wabash R. R. Co	do	7
	Rwy. Co. Chicago and Northwestern Rwy. Co Chicago and Alton R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co. Denver and Rio Grande R. R. Co Wabash R. R. Co Pennsylvania R. R. Co Chesapeake and Ohio R. R. Co W. H. Wray W. E. Hill	do	21
	Chesapeake and Ohio R. R. Co	do	27
	W.H.Wray	Traveling avponess	46 22
	VY . 12. IXIII	Traveling expenses	
	Total first quarter		106, 776
t. 1	New York Telephone Co	Telephone services, etc	21.
	F. L. Russell	Services	120
	W. W. Whitlaw	do	19.
	F. L. Russell W. W. Whitlaw Frank Johnson Reuel Miller	do	18. 13.
			7.
	F. M. Manifold C. G. Peterson Mary Friesz	do	6.
	C. G. Peterson	do	5.
	J. E. Davis	do	4.
	A. Apple	do	3.
	J. E. Davis A. Apple. H. E. Anderson J. Haberle. Hilton & Nimmo. A. R. Hagard	do	3.
	J. Haberle	Repairing lock box, etc	6.
	Hilton & Nimmo	Butter	68.
	International Navigation Co	Expressage	121. 32.
	H. K. Mulford Co.	Expressage Guinea pigs Antitoxine syringes	12.
	H. K. Mulford Co. The Kny Sheerer Co	Antitoxine syringes	10.
	Collins Jute Co The Grant Manufacturing Co		9,
	Dependence & Co	Lead disks	5. 27.
	Danenlower & Co M. W. Galt & Co Max F. Forrester	Oats	28.
	Max F. Forrester	Services	70.
		Thorading omnonce	12.
	do	Traveling expenses	
	do. C. Breze Jno. C. Parker.	Traveling expenses Services Spindle files Traveling expenses	58.

te.	Name.	Nature of payment.	Total.
97.			
, 1	Alex, Lobb Jno. T. McNeely do.	Traveling expenses	\$5. 47.
	Jno. T. McNeely	do	47.
	do.	do	40.
	do. E. A. de Schweinitz Ch. W. Stiles	Services Traveling expenses	101.
	Ch. W. Stilon	do a ravening expenses	135. 220.
			73.
2	R. A. Pearson Belt R. R. and Stock Yard Co H. J. Ruppert Adams Express Co American Express Co	Office rent	10.
4	H J Runnert	Rent Transportationdo	50.
	Adams Express Co	Transportation	18.
	American Express Co.	do	8.
			2.
	Jas. Stevenson Chas. O. Brockway do do	Traveling expenses	9.
4	Chas. O. Brockway	Interstate stamps	. 210.
	do	do	168.
	do	Metal tags.	140.
	do	Certificates	47.
	E. J. Brooks & Co	Lead seals	85. 34.
	do	do	34.
	Dennison Manufacturing Co	do	8.
	Dennison Manufacturing Co	Meat inspection tags	63. 21.
	dodododododododo.	do Duplicate tags Tin boxes	9.
	Chicago Car Seet and Manufacturing Co	Tin hoves	4.
	do	do	2.
			21.
5	Baltimore and Ohio R. R. Co W. G. Offutt. H. A. Hedrick et al. Julius Huelson et al	Passenger transportation	17.
	W. G. Offutt.	Painting water tank Salaries do	12.
6	H. A. Hedrick et al	Salaries	463.
	Julius Huelson et al	do	594.
	W. H. Kose et al	January 0.0 annuary and a second	997.
	Tooie A. Geddes	Services	114.
_	H. M. Smith Chas. A. Shaufler et al.	Salaries	73. 776.
7	Chas. A. Shanfler et al	Salaries	776.
0	R. W. Hickman et al	do	1,830.
8	Don C. A von et al	00	496.
	Lowis P. Pokor et al	do	2, 298. 919. 718.
	Devial D. Lea et al	do	919.
	Wm M Ralmer et al	do	793.
	Albert Dean et al	do	622.
	Jno. R. Mohler	Services	52.
	W. N. D. Bird	do	73.
	De N. Jewitt	do	73. 97.
1	W. D. Jorden	do	97.
1	Peter I. Kershner	do	97.
- 1	Frank T. Shannon	do	97.
	Abram M. Adams	do	97. 97.
	Dan. McCunningham	do	97.
	Chas. A. Shaufler et al. R. W. Hickman et al. Jno. Forbes et al. Don C. Ayer et al. Lewis R. Baker et al. Daniel D. Lee et al. Wm. M. Balmer et al. Jno. R. Mohler W. N. D. Bird De N. Jewitt. W. D. Jorden Peter I. Kershner Frank T. Shannon Abram M. Adams Dan. McCunningham W. E. Hill. Arthur B. Moyse	do	114.
	W. E. Hill. Arthur B. Morse Washington Gas Light Co. Thos. Somerville & Sons Wyckoff, Seamans & Benedict E. M. Willis United States Electric Lighting Co. J. R. Buckelew	do	114. 17.
	The Semerville & Sere	Gas Repairs to steam pump	17.
	Wyckoff Saamans & Ranadiat	Repairs to steam pump	23. 8.
	E M Willis	Repairs to typewriter Ice Electric current Letter paper	8. 17.
	United States Electric Lighting Co	Electric current	17.
	J. R. Buckelew	Letter paper	33
9	G. E. Stechert		1.
	Saml. Lloyd C. L. Morin F. W. Huntington Ira K. Atherton	Book Supplies furnished Services	2. 33. 1. 67.
11	C. L. Morin	Services	8.
	F. W. Huntington	do	8. 97.
	Ira K. Atherton	do	97.
	W. C. Rayen	do	66.
	W. C. Rayen W. D. Robbins Lowell Clark et al. Thos. J. Turner et al Morris Wooden et al Clara Bunck et al A. G. G. Richardson et al Albert J. Payne et al Joshua Miller et al W. H. Gibbs et al S. Stewart et al	do	97.
	Thea T Transport of	Salaries	1,099.
	Monnie Wooden et al	do	889. 813. 805.
	Clara Bunck et al	00	813.
	A G C Richardson et al	do	805.
. 1	Albert J. Poyne et al	do	396.
	Joshua Millar at al	do	200.
	W. H. Gibbs et al	do	171. 134.
	S. Stewart et al.	do	1, 708.
	H. B. Davidson Chas. R. Edmonston E. J. Brooks & Codo	Rent of land	50
	Chas R. Edmonston	Filter tubes	12. 425. 425.
			14.

Date.	Name.	Nature of payment.	Total.
1897.			
ct. 12	Z. D. Gilman	Scissors	\$11.
15	Z. D. Gilman	Salaries	\$11. 168. 171.
	Archibald McBride et al	do	171.
	W. C. Bartle et al	do	171.
	E. N. Hutchinson et al	do	230.
	Unas. M. Day et al	do	244. 275.
	T A Shipley et al	do	305.
	Wm. Thompson et al	do	430.
	W. S. Cass et al.	do	533.
	Geo. S. Baker et al	do	803.
	S.L. Brookings et al.	do	1, 018.
	J. J. Brougham et al	do	1, 422. 3, 191. 375.
16	Saml. E. Bennett et al	Same	3, 191.
10	W. H. Wray do F. M. Hunter J. F. Ryder	Office expenses.	375. 10.
	F M Huntar	Services	21
	J. F. Ryder	do	81. 163. 45.
		Traveling expenses	45.
	Nelson P Hinkley et al	Salarias	630.
	L. K. Green et al	Salariesdo	1, 467. 1, 144. 328.
	Chas. Bullard et al	do	1, 144.
	Charles of the Charle	Salaries	328.
	Orlando B. Hess et al	Office or popular	378.
	Jas. T. Stuart et al A. E. Behnke et al	Office expenses Salariesdo Services	1.
	A E Rehnke et al	do	699. 1, 327. 97.
	Jno. F. McNeely.	Services	97.
	do	Traveling expenses	60.
	D. D. Stitt	Hogs	60. 126.
	Jno. F. McNeely. do D. D. Stitt A. M. Collier F. W. Ammons C. H. Varley L. E. Dredge S. R. Frank H. D. Lucas Jos. Burwell A. R. Clayton B. F. Ennis A. K. Christensen C. Brez	do	50. 28.
	F. W. Ammons	do	28.
	C. H. Varley	do	12.
	L. E. Dredge	(10	15.
	H D I peas	do	23. 7.
	Joe Rurwell	do	7.
- 2	A. R. Clayton	do	3.
	B. F. Ennis	do	2.
- 7	A. K. Christensen	do	1.
	C. Brez	Services	54.
	Postal Telegraph-Cable Co	Telegraph service	3.
18	Julius Huelsen	Office expensesdo	3. 16.
	C. Brez Postal Telegraph-Cable Co Julius Huelsen W. H. Rose Jno. P. O' Leary Chas. Cowie do F. M. Perry.	Traveling expenses	22.
- 1	Chas Cowie	Traveling expenses	40.
	onas. oowie	Services Traveling expenses Services Traveling expenses	40.
	F. M. Perry	Services	200.
	do	Traveling expenses	61
	W S Devoe	Salaries	7, 046.
	E. Balzer Albert E. Behnke Wm. H. Netherland	do	4, 579.
19	Albert E. Behnke	Office expenses	7, 046. 4, 579. 24. 7.
	Wm. H. Netherland T. A. Shipley Lewis R. Baker Jas. T. Stuart Saml. E. Bennett Harry N. Waller Joshua Miller Jas. J. Brougham S. L. Brookins W. S. Cass Wm. Thompson Don C. Aver	Traveling expenses	7.
	Lewis R Raker	do	
	Jas. T. Stuart	do	1.
	Saml, E. Bennett	do	2.
	Harry N. Waller	do	1.
	Joshua Miller	do	
- 1	Jas. J. Brougham	do	1.
1	S. L. Brookins	do	1.
1	W. S. Cass	do	2.
	Don C. Aver	do	2. 4.
1	Don C. Ayer Thos. J. Turner Tooie A. Geddes	do	5.
	Tooie A. Geddes	Traveling expenses	11.
	Harry B. Adair	Services	97.
	H. B. Waldron	Traveling expenses	76. 71.
1	Jno. McBirney	do	71.
	W. S. Devoe	Office expenses	3.
	Pani I Paddock et al	Mimeograph	18.
	R W Hickman	Office expenses	378. 1.
	Daniel D Lee	do	4.
	Daniol D. Lico		4.
	Nelson P. Hinkley	do	h 6
	Tooie A. Geddes Harry B. Adair H. B. Waldron Jno. McBirney W. S. Devoe Cameron, Amberg & Co Benj, J. Paddock et al R. W. Hickman Daniel D. Lee Nelson P. Hinkley H. A. Hedrick Chas. A. Schauffer E. C. Schroeder	do do	6.

ate.	Name.	Nature of payment.	Total.
897.			
. 19	E. C. Schroeder	Office expenses	\$3. 9
20	Wm. H. Barker et al.	Traveling expenses do do	1, 979. 5
	Jos. M. Turner	Traveling expenses	4.4
	Jolius Huelsen. Wm. A. Rushworth Geo. C. Faville.	do	3. 8
	Coo C Feville		26. 2
	Geo. C. Faville J. Ottoman Lithographic Co. The Springfield Envelope Co. Danenhower & Co. Vernon Creamery Co. New York Telephone Co. The Bell Telephone Co. Melson P. Hinkley. James Bellwood. Joo. A. Bell.	Lithograph goods	321. 6
	The Springfield Envelope Co	Manila envelopes	56. 8
21	Danenhower & Co.	Hay, corn meal, etc.	95. 5
	Vernon Creamery Co	Rent of telephone.	79. 9
	New York Telephone Co	Rent of telephone	21. 6
	The Bell Telephone Co	Connecting telephone	43. (
	Nelson P. Hinkley	Use of horse and buggy Board of cattle Services	40.0
	James Bellwood	Board of cattle	22. 5
	Jno. A. Bell	Services	32.0
	F. L. Russelldo	Traveling expenses	7. (
	F. L. Russell	Traveling expenses	88. 0 40. 2
	Too Tarrin	Sorrious	81. 6
	Tno MaRimov et al	Services	419. 7
	do	Office expenses	71.8
	Jas. Irwin Jno. McBirney et aldo. D. R. Day	Office expenses	62. 9
			2. 7
	Albert Dean	do	23. 4
	Albert Dean. Jno, R. Mohler Peter J. Kershner.	do	25. 5
	Peter J. Kershner	do	26. 1
			36. 5
	Wm. D. Jorden	do	65. (
	Wm. D. Jorden. Dewlany Suddath G. W. Ward.	Services	60, (
	G. W. Ward	do	100.0
	G. W. Warddo W. E. Hill. C. J. SihlerdoUnion Stock Yards and Transit Co.	Traveling expenses	22. 7
	W. E. Hill	do	28. 8
	C. J. Sinier	Services	146.8
	Union Stock Vanda and Transit Co	Rent of offices	79. (15. (
	Caban & Pyrna	do	225. (
	Gahan & Byrne Geo. Grafton	Traveling expenses	4. (
	Geo. Grafton W. C. Honan The Office Toilet Supply Co. Chicago Telephone Co. W. S. Cass. B. P. Oliver.	Traveling expenses do Towels furnished.	22. 8
	The Office Toilet Supply Co	Towels furnished	24.9
	Chicago Telephone Co	Rent of telephone	29. 1
	W. S. Cass	Rent of telephone	2.
	B. P. Oliver	Rent of room	20. (
	Geo. S. Daker		17. (
	do		1. (
	Catherine C. Burke. Belle Ritter Elizabeth C. Gibson	Traveling expenses	12. 3
	Belle Ritter	do	14. (
	Elizabeth C. Gibson	do	14. (
	O. B. Hess Packers' National Bank	Use of horse and buggy	30. (
	T A Turnor & Co	Rent of onices	50. (12. (
	J. A. Turner & Co G. W. Tourtellot	Rent of officesdo Rent of rooms	45. (
	Jas Stikeman	Rent of office	41.6
	Jas. Stikeman Belt R. R. Stock Yards Co	do	10. (
	N. Rufus Gill	Rent of rooms	10.
	N. Rufus Gill St. Joseph Stock Yards Co	Rent of office	12.5
	Jno. Broderick	Rent of rooms Rent of officedo	14. (
	Kansas City Stock Yards Co	Rent of rooms	15.0
	Jno. Broderick Kansas City Stock Yards Co. Nelson P. Hinkley St. Louis National Stock Yards Co. Joseph Dean.	do	25.0
	St. Louis National Stock Yards Co	Rent of office	29.
	Joseph Dean	do	40.0
	Mackell Barr & Ellers		25.
	Albert E. Behnke. Mackall Bros. & Flemer. Pennsylvania Co. Chesapeake and Potomac Telephone Co.	Carbone acid	4.5
22	Chesaneake and Potomes Tolonhone Co	Port of telephone	11.
22	Cleary Bros	Horses and bugger	19. 48. 6
	Cleary Bros. O. J. Lanigan O. E. Dyson. The Consumers' Co.	Carbolic acid Passenger transportation Rent of telephone Horses and buggy Use of saddle horse.	15.
	O. E. Dyson	do	15.
	The Consumers' Co.	Ice	8.
	David Swanson	Sharpening scissors	6.
	David Swanson Rand, McNally & Co	Ice Sharpening scissors Ink blotter, etc Printing cards Rent of telephone do do Towals	4.
	J. C. Holmes. Pacific Telephone and Telegraph Co. Iowa Telephone Co. New England Telephone and Telegraph Co.	Printing cards	2.
	Pacific Telephone and Telegraph Co.	Rent of telephone	10.
	Iowa Telephone Co	do	6.
	New England Telephone and Telegraph Co	do	13.
	Bay State Clean Towel Furnishing Co The Boston Gas Light Co.	Towels	5. (
	The Boston Gas Light Co	Gas	1.
	Jno. Forbes		15. (

84 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Oct. 22	Evans Laundry Co	Towels	\$7.00
	Jas. W. Davis New York Telephone Co. Peter M. McClellan	Use of horse and buggy	15.00
	New York Telephone Co	Rent of telephone Repairing lock box	90 90
			2.00
	A. O. Stoeltzingdo Jno. Doggett R. S. McCurdy L. H. Hopkins W. M. Galt & Co	Matches, etc.	2. 40 2. 25
	Jno. Doggett	Gasoline, etc Oilcloth Towels	4. 20
	R. S. McCurdy	Towels	12.85
	L. H. Hopkins	Wire gauze, etc	2.90
	w.m. Gait & Co	Oats	28, 00 5, 60
23	W. M. Galt & Codo dodo Whitall. Tatum & Co Wm. E. Prattdo Chesapeake and Ohio Rwy. Co Missouri Pacific Rwy. Co Baltimore and Ohio Scuthwestern Rwy. Co. Chicago, Burlington and Quincy R. R. Co Nashville, Chattanooga and St. Louis Rwy. Co.	Specimen jars	7.00
	Wm. E. Pratt	Hog rings	1. 80
0.5	Channaha and Ohia Para G	do	. 90
25	Great Northern Rwy Co	Passenger transportation	21. 25
	Missouri Pacific Rwy. Co.	do	11. 60 21. 20
	Baltimore and Ohio Scuthwestern Rwy. Co .	do	20. 25
	Texas and Pacific Rwy. Co.	do	18.50
	Vashville Chattaneous and St. Lovie Pro-	do	15. 52
	Co.	(0)	12.45
	Fort Worth and Rio Grande Rwy Co	do	8.50
	Wabash R. R. Co.	do	7.50
	Wabash R. R. Co. Chicago and Great Western Rwy. Co. Kansas City, St. Joseph and Council Bluffs	do	6. 65
	R. R. Co.		5. 80
	Intermedianal and Creek North and D. D. C.	do	4.60
	Pennsylvania R. R. Co.	do	21. 00 252. 00
	Pennsylvania R. R. Co. Dennison Manufacturing Codo. E.J. Brooks & Codo.	Meat-inspector tags	252. 00 40, 50
	E. J. Brooks & Co	Duplicate tags. Lead seals Compressor glasses Transportation	425.00
	do	Compressor glasses	153. 63
	EOW. F. Epinger		. 15 46. 80
26	Chas. O. Brockway Baltimore and Ohio Southwestern Rwy. Co	Transportation	. 79
20	Vandalia Line Iowa Agricultural College	Export stamps Transportationdo	19.95
	Iowa Agricultural College	Butter	192. 48
Nov. 1	Flagler H. Phillips Jas. B. Lambie J. R. Buckelew United States Express Co-	Services	14. 67 . 55
11011	J. R. Buckelew	Tacks Paper Transportation	33. 60
	United States Express Co	Transportation	2.85
	C. Brez. Chas. A. Blemer H. M. Smith Frank Morley	Services Traveling expensesdo Hogs	58. 50 44. 65
	H. M. Smith	do	15. 80
2	Frank Morley	Hogs	6.88
	O. B. Holton	Hog	5.00 2.00
	Fred Boles	Hogs	10. 20
	C. M. Collins	do	13.00
	J. E. McCurdy	do	15. 60
	Frank McCurdy	do	142. 01 88. 20
	Frank Morley O. B. Holton Clark Davidson Fred Boles C. M. Collins J. E. McCurdy Frank McCurdy J. A. Brown J. D. Laughlin Ambrose Beery J. S. Hayes J. S. McFarland J. D. Elliot J. W. Duncan Richard Bros.	do	19.68
	Ambrose Beery	do	88.00
	J. S. Hayes	do	142.30
	J. S. McFarland	00	150.00 170.95
1	J. W. Duncan	do	181. 01
	Richard Bros	do	510.02
	R. T. Johnson	do	371.40
1	N. W. Willier	do	19.76 64.02
	Jas. Whitmore	do	2, 00
- 1	T. Henry	do	2. 25 3. 00
	J. W. Dunean Richard Bros. R. T. Johnson N. W. Winter Edwd. Crosby Jas. Whitmore T. Henry C. E. Worrell D. B. Holton	do	3.00 5.50
	P. P. Castle.	do	12.60
	E. A. Fowler	do	72. 50 5. 60 188. 98
	Caleb Hall	do	5, 60
	Frank Brokard	do	3. 00
	C. N. Gates	do	10.62
	L. W. Good	do	8,00
	D. B. Holton P. P. Castle E. A. Fowler Caleb Hall J. D. Maxwell Frank Brokard C. N. Gates L. W. Good J. S. Crosby T. H. Erhart Jacob Hamm Isaac Mulkins	do	2.00 2.00
	Jacob Hamm	do	1.50
	Tsaac Mulkins	do	75

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

ate.	Name.	Nature of payment.	Total.
897.	Edwd. Crosby. A. C. Harland. L. S. Hayden Victor A. Norgaard H. F. Miller & Son. H. J. Rappert	W.	,
7. 2	Edwd. Crosby	Hogs	\$3.
	I. S. Harden	Horse book	3, 15.
3	Victor A. Norgaard	Traveling expenses	54.
4	H. F. Miller & Son	Cans Rent of land, Bennings road, Md.	17,
5	H. D. Davidson	Kentoriand, Montgomery County,	50. 50.
	E. M. Willis F. T. Shannon H. B. Adair De N. Jewett W. D. Jorden Dan McCunningham Abram M. Adams Chas. H. Blemer Poter I. Vershuge	Ice	15.
	F. T. Shannon	Services	101. 101.
	De V. Jewett	do	101.
	W. D. Jorden	do	101.
	Dan McCunningham	do	101.
	Abram M. Adams	do	101.
	Peter I Kershner	do	101. 101.
	W. E. Hill	do	117.
	Arthur B. Morse	do	117. 117.
	Albert Dean et al	Salaries	618.
	W H Rose et al	do	416. 1, 029.
	Julius Huelsen et al	do	621.
6	D. E. Salmon	Traveling expenses	67.
	Ira K. Atherton	Services	101.
	H. M. Smith	(l0	36.
	Jno. Forbes et al	Salaries	101. 517. 948.
	Lewis R. Baker et al	do	948.
	S. L. Brooking et al	do	1, 135.
	Archd. McBride et al	do	176.
	A J Parne et al	do	176. 213.
	H. A. Hedrick et al.	do	478.
	Chas. N. Shaufler et al	do	769.
	Dan. D. Lee et al	do	741. 816.
8	Abram M. Adams Chas. H. Blemer Peter I. Kershner W. E. Hill Arthur B. Morse. Albert Dean et al A. G. G. Richardson et al. W. H. Rose et al Julius Huelsen et al Jo. E. Salmon Ira K. Atherton H. M. Smith F. W. Huntington Jno. Forbes et al Lewis R. Baker et al S. L. Brooking et al Archd. McBride et al Joshua Miller et al A. J. Payne et al H. A. Hedrick et al Chas. N. Shaufler et al Dan. D. Lee et al Wm. M. Balmer et al The Chesapeake and Potomac Telephone Co Chas. R. Bullard et al R. W. Hickman et al Thos. W. Oshel et al Chas. M. Day et al Harry M. Waller et al Jon. McBirney et al Jun. M. CBirney et al Jun. M. CBirney et al Samuel E. Bennett Adams Express W. M. Galt Z. D. Gilman J. C. Ergood	Services /	816. 37.
·	Chas. R. Bullard et al	Salaries	1, 201.
	R. W. Hickman et al	do	1, 877.
	Thos. W. Oshel et al	do	176.
	Horry M. Wollar at al	do	252. 259.
	Jno. McBirney et al	do	502.
	W. S. Cass et al	do	550.
9	Jas. T. Stuart et al	do	793.
9	Adams Express	Transportation	3, 242. 9.
	W. M. Galt	Forage	185.
	Z. D. Gilman	Supplies	21.
	J. C. Ergood	Soap	7.
	Rudolph West & Co	Supplies Soap Oats Wire cutters	2. 8.
	Danenhower & Co.	Forage	842.
	W. M. Galt Z. D. Gilman J. C. Ergood W. M. Galt & Co. Rudolph, West & Co Danenhower & Co David Pifferling Wilfred D. Robbins Walter E. Stoner Geo. C. Evrylle	Services	10.
	Wilfred D. Robbins	Traveling expenses	101.
	Geo. C. Faville	Office expenses.	2. 3.
10	S. Sewart et al .	Salaries.	1, 745.
	Thos. J. Turner et al	do	914.
	W. S. Devoe et al	Tdo	7, 387. 17.
	Star Lake Cooperative Dairy Association	Rutter	161.
	The Hawley Box and Lumber Co	Butter boxes	5.
	Wm. E. Pratt	Hog rings	33.
11	Train I Shipley et al	Salaries	864.
	A. W. Crawford et al	do	312. 145.
	Jas. J. Brougham et al	do	1, 459.
	Harry H. Cofoid et al	do	2, 051.
	Benj. S. Paddock et al	do	300
	Jno R. Mohler et al	do	824.
	A. E. Behnke et al	do	824. 897. 1, 376.
10	Watter E. Stoner Geo. C. Faville S. Sewart et al Thos. J. Turner et al W. S. Devoe et al Springfield Envelope Co Star Lakê Cooperative Dairy Association The Hawley Box and Lumber Co Wm. E. Pratt Morris Wooden et al Trajan J. Shipley et al A. W. Crawford et al Jas. J. Brougham et al Harry H. Cotoid et al Benj. S. Paddock et al Geo. S. Baker et al Jno. R. Mohler et al A. E. de Schweinitz E. Balzer et al Geo. C. Faville et al John Jones.	Traveling expenses	9.
12	E. Balzer et al	Salaries	5, 084.
	Geo. C. Faville et al	do	338.

	Name.	Nature of payment.	Total.
1897.			
ov. 13	Wm. Thompson et al. E. N. Hutchinson et al. Lowell Clarke et al. Don C. Ayer et al. Orlando Hess et al. Geo. Grafton Chas. Cowie. do Jas. Irwin. Tooic A. Geddes	Salaries	\$449.
	E. N. Hutchinson et al	do	237.
	Lowell Clarke et al	do	1, 110. 2, 396.
	Don C. Ayer et al	do	2, 396.
	Orlando Hess et al	do	384.
	Geo. Grafton	Traveling expenses	4. 1. 85.
	Chas. Cowie	Committee	1.
	Joe Tryin	Services	85. 84.
	Tooie A. Geddes Jno. T. McNeely W.H. Gibbs	do	117.
	Jno T McNeely	do	101.
	W. H. Gibbs	do	101.
	C. L. Morin	do	1
	Jno.A. Bell.	do	32. 158. 166.
	R. D. Farrens	Hogs	158.
	S. M. Elrich	do	166.
	David Harris	do	228.
	Chas. Davison	do	250. 360.
	Ed. Hakes	Company Norman de Company	360.
16	U. H. Harrison	Canceling stamps	1. 37.
10	C. L. Morin Jno. A. Bell R. D. Farrens S. M. Elrich David Harris Chas. Davison Ed. Hakes C. H. Harrison International Navigation Co Lawyers' Cooperative Publishing Co. L. A. Robinson W. E. Stoner Albert Dean Jno. A. Bell Jno. R. Mohler Jos. M. Turner W. C. Honan W. D. Jorden	Book	6.
	L. A. Robinson	Traveling expenses	4.
	W. E. Stoner	do	3.
	Albert Dean	do	3. 5.
	Jno. A. Bell.	do	7.
	Jno. R. Mohler	do	11.
	Jos. M. Turner	do	4. 22.
	W. C. Honan	do	22.
	Wm. D. Jorden	do	52.
	Julius Huelsen	do	3.
	W. N. D. Bird.	do	3. 12. 18.
	Geo. S. Baker	do	18.
	W S Coop	do	34.
	Alox Lobb	do	3.
	Frank T Shannon	do	9.
17	W. C. Honan Wm. D. Jorden Julius Huelsen W. N. D. Bird Geo. S. Baker J. P. O'Leary W. S. Cass Alex. Lobb Frank T. Shannon H. B. Waldron J. F. Ryder	do	70.
	J. F. Ryder	do	45
	P. I. Kershner	do	45. 36.
	J. F. Ryder P. I. Kershner H. B. Adair Chas. H. Blemer	do	8. 46.
	Chas. H. Blemer	do	46.
	John McBirney	do	64.
	John McNeely John T. McNeely Jas, M. Pickens Bausch & Lomb	do	62.
	Days b f Lomb	Payrog .	17. 27.
	Dausch & Lomo	Pack and ninion for microscope	6.
	do	Supplies	2.
	do Austin Smith J. F. Ryder	do	14.
	J. F. Byder	Services	14. 168.
	F. L. Řussell	do	112
	A. E. Behnke	Hire horse and buggy	25.
	Jno. McBirney	Office expenses	58.
	W. H. Rose	do	11.
	Samuel E. Bennett	do	1.
	A.E. Behnke	do	18.
	H. A. Hedrick	00	2.
	D. W. History	do	1.
	Inline Hudson	do	3.
	Wm Thompson	do	1.
	N. P. Hinkley	do	7
	Don C. Aver	do	3.
18	Washington Gas Light Co	Gas	18.
	E. S. Schmid.	Prepared feed	1.
19	N. P. Hinkley et al	Salaries	805. 1, 529.
	L. K. Green et al	do	1, 529.
	W. H. Wray	Traveling expenses	14.
		do	12. 64.
	Austin Smith J. F. Ryder F. L. Russell A. E. Behnke Jno. McBirney W. H. Rose Samuel E. Bennett A. E. Behnke H. A. Hedrick G. S. Baker R. W. Hickman Julius Huelsen Wm. Thompson N. P. Hinkley Don C. Ayer Washington Gas Light Co. E. S. Schmid N. P. Hinkley et al L. K. Green et al W. H. Wraydo Tooie A. Geddes A. D. Melvin W. S. Cass Albert Dean Wm. B. E. Miller Chas. A. Shautler Bay State Clean Towel Furnishing Co. Jno. Forbes	do	16.
	W C Cogg	Office expenses	3.
	Albert Deen	do	9.
	Wm B E Miller	do	2. 6.
	Chas, A. Shauffer	do	7.
	Bay State Clean Towel Furnishing Co	Towel supply	7. 33.

Date.	Name.	Nature of payment.	Total:
1897.	New England Telephone and Telegraph Co. O. B. Hess W. H. Wray F. M. Hunter Jno. Jacobson. Belt R. R. and Stock Yard Co Kansas City Stock Yard Co Kansas City Stock Yard Co J. A. Turner & Co J. Lake Shore and Michigan Southern Rwy. Co Chicago. Indianapolis and Louisville Rwy. Co Pacific Telephone and Telegraph Co Nelson P. Hinkley W. H. Rose Jas. W. Davis. Nebraska Telephone Co Luis Berger O. J. Lanigan Chicago Telephone Co Cleary Bros J. Haberle		
ov. 19	New England Telephone and Telegraph Co	Telephone service	\$13.00
	O. B. Hess	Hire horse and buggy	30, 00
	W. H. Wray	Services	387. 50
20	Ino Jacobson	Traveling expenses	84, 20 15, 75
20	Belt R. R. and Stock Yard Co	Office rent	10.00
	Kansas City Stock Yard Co	do	15.00
	St. Louis National Stock Yard Co	do	29. 2
	J. A. Turner & Co	do	12.00
	P. P. Oliver	do	10. 45 20. 00
	St. Joe Stock Yards Co.	do	12. 50
	G. W. Tourtellett	do	45.00
	Nelson P. Hinkley	do	25. 00
	Jas. Stikeman	do	41.60
	Packers National Bank	do	50.00 15.00
	Lake Shore and Michigan Southern Rwy Co.	Passenger transportation.	11.5
	Chicago, Indianapolis and Louisville Rwy. Co	do	11. 5 5. 00 10. 00
	Pacific Telephone and Telegraph Co	Telephone service	10.00
	New York Telephone Co	do	20.20
	Nelson P. Hinkley	Hire horse and buggy	40.00
	Joe W Davie	Hire horse and huggy	40. 00 17. 95 15. 00
	Nebraska Telephone Co	Telephone service	4. 30
	Luis Berger	Hauling	2, 50
	O. J. Lanigan	Horse hire	15. 00 29. 10
	Chicago Telephone Co Cleary Bros J. Haberle David Swanson R. S. McCurdy Jas. Sullivan J. W. Timmer N. Klein Carter Hardware Co Evans Laundry Co D. E. Dyson W. W. Wilcox & Co The Consumers' Co D. R. Way J. T. Stuart	Telephone service	29.10
	Cleary Bros	Hire horse and buggy	48.00
	David Swanson	Hire horse and buggy Repairing lock box Repairing scissors Towels Coal	6. 00 2. 70 13. 68 6. 50
	R. S. McCurdy	Towels	13. 68
	Jas. Sullivan	Coal	6. 50
	J. W. Timmer	Oil	0.55
	N. Klein.	Soap	4. 20
	Exercise Landay Co	Soap Padlock Towels	3. 50 7. 00
	D E Dyson	Horse hire	15.00
	W. W. Wilcox & Co	Horse hire Stamp pads Ice Traveling expenses	3. 25
	The Consumers' Co	Ice	6. 90 73. 78
22	D. R. Way	Traveling expenses	73. 78
	J. T. Stuart	Office expenses	. 55
	S. I. Brooking	do	. 35
	Joshua Miller S. L. Brooking A. C. Frisby S. E. McAlpine	Hogs	50.00
	S. E. McAlpine	do	144. 75
	Jas. Dunn Samuel Hollis P. M. Crockett S. W. Kelley	do	135.00
	Samuel Hollis	do	83. 15
	S W Keller	3 shoats	1. 50 168. 00
			94.00
	J. Service L. L. Johnston J. S. Bentley Edwd. Hollis N. C. Jackson A. Wilson & Pro	do	155, 02
	J. S. Bentley	do	155. 02 66. 95
	Edwd. Hollis	do	6. 75 10. 00
23	A. Wilson & Bro. Geo. W. Knox Express Co. A. Wilson & Bro E. Morrison Paper Co. E. J. Brooks & Co.	Hauling 30 tons coal.	10.00
20	Geo W Knox Express Co	Moving furniture	42. 50 224. 00
	A. Wilson & Bro	Moving furniture Cabbage Cardboard Lead seals and wire	3.00
- 1	E. Morrison Paper Co	Cardboard	3.00 15.00
	E. J. Brooks & Co	Lead seals and wire	495.00
		do	425.00 425.00 255.00 127.50 42.50
	do	do	255.00
1	do	do	127. 50
	do	do	42. 50
	dodo. Dennison Manufacturing Co Gahan & Byrne Thos. J. Turner	Meat inspection tags	451.50
	Gahan & Byrne	Office rent	225, 00
	Thos. J. Turner	Office rent	2, 80
	W. S. Devoe D. E. Salmon Z. D. Gilman	Troveling expenses	6 9. 75
26	Z. D. Gilman	Thermometers Interstate stamps	17.55
29	Chas, O. Brockway	Interstate stamps	10.00 871.50
	do	Tags	77. 00
	Chas, O. Brockway do. do. People's Dispatch Co. Jno. C. Parker Mackall Bros. & Flemer Jos. T. Dean	Stamps	8.40
	People's Dispatch Co	Stamps Transportation Blank books	2.15
	Mackell Prog. & Flore	Blank books.	45.01
	Jos. T. Dean	Supplies Office rent	40.30 40.00

Date.	Name.	Nature of payment.	Total.
1897.			
ov. 30	New York Telephone Co	Telephone service	\$21.
	New York Telephone Co Tooie A. Geddes Flagler H. Phillips. Dan McCunningham Geo. Ditewig C. J. Sihler H. B. Waldron G. W. Ward T. M. Perry F. L. Russell W. S. Devoe C. J. Sibler	Service	114. 166.
	Flagler H. Phillips	Salary	166.
ec. 1	Dan McCunningham	Traveling expenses	17.
	C. J. Sibler	do	4. 22. 36.
	H. B. Waldron	do	36.
8	G. W. Ward	do	35.
	T. M. Perry	do	54.
	F. L. Russell	do	70.
	W. S. Devoe C. J. Sihler	Office expenses	20. 24.
	H B Weldren	Service	36.
	C. J. Sihler H. B. Waldron G. W. Ward W. H. Healy F. M. Perry Geo. W. Dudley C. P. Jackson M. E. Miller W. T. Cram A. A. Berry	do	120.
	W. H. Healy	do	30.
	F. M. Perry	do	192.
	Geo. W. Dudley	Hogs	26.
	C. P. Jackson	do	10.
	M. E. Miller	do	15. 375.
	A A Borry	do	161.
	M. R. Ansbach	do	53.
	Eimer & Amend	Hydroxylamin	53. 6.
	A. A. Berry M. R. Ansbach Eimer & Amend Schreiber Sons	Photograph of Jersey cattle	4.
			2.
0	C. S. Braisted. The J. F. W. Dorman Co. Harry C. Jones	Peneils	9.
2	Hamp (! James	Metal holders Engravings of ducks and geese	19. 47.
	San Autonio and Araneae Page Rwy Co	Passanger transportation	4.
	San Antonio and Aransas Pass Rwy. Co Baltimore and Ohio R. R. Co Waco and Northwestern R. R. Co Galveston, Harrisburg and San Antonio	do	10.
	Waco and Northwestern R. R. Co	do	5. 15.
	Galveston, Harrisburg and San Antonio	do	15.
	RWV. CO.	1	00
	Pennsylvania R. R. Co	do	28. 11.
	Southern Rwy. Co. Baltimore and Ohio Southwestern Rwy. Co.	do	29.
	Southern California Rwy, Co	do	60.
4	Southern California Rwy. Co. H. A. Hedrick et al.	Salaries	463. 328.
	Geo. C. Faville et al	do	328
	Geo. C. Faville et al W. H. Rose et al Norfolk and Washington Steamboat Co	do	1, 005.
0	Norfolk and Washington Steamboat Co	Passenger transportation	28.
6	D. H. Burnell & Co	Boxes Butter (dairy division)	154
	The Office Toilet Supply Co	Towels	27.
	Big Stone City Creamery Co The Office Tollet Supply Co Geo. F. Muth & Co do	Towels	9.
	do	Kerosene	4.
	Rudolph, West & Codo	Supplies	16.
	do	Wire nails	4, 3,
	do Mackall Bros & Flemer	Mouse traps	32.
	do	Supplies	26
	do	Supplies Alum, chalk, etc	3
	Chas. Bullard et al Wm. M. Balmer et al	Salaries	1, 135 793 671 1, 838
	Wm. M. Balmer et al	do	793
	Wm. M. Balmer et al Dan D. Lee et al. R. W. Hickman et al Harry N. Gilmore et al Albert J. Payne et al Jos. Matley Barber & Ross F. Bael	do	1 000
	Harry N Gilmore et al	do	
	Albert J. Payne et al	do	244 7 28
7	Jos. Matley	Sheet lead	7
	Barber & Řoss	Sheet lead Drug mills Diseased hogs	28
			100
	Rosena Carr	do	85 35
	Rosena Carr G. B. Hall H. B. Davidson Julius Huelsen et al	Office rent	50
	Julius Huelsen et al	Salaries	602
	F. W. Huntington et al	do	101.
	C. A. Schaufler et al	do	730.
	W. S. Cass et al	do	533.
	L. R. Baker et al.	do	919
	A. G. G. Richardson et al	do	403. 1, 164. 769.
	S. L. Brooking et al.	00	760
8	Ed F Ehinger	Transportation	709
0	New York, New Haven and Hartford R. R.Co.	do	
	Julius Huelsen et al F. W. Huntington et al C. A. Schaufler et al W. S. Cass et al. L. R. Baker et al. A. G. Richardson et al S. L. Brooking et al Jas. T. Stuart et al Ed F. Ebinger New York, New Haven and Hartford R. R.Co Adams Express Co J. B. Lambie United States Express Co Albert Dean et al	do	14.
	J. B. Lambie	Brass rod	
9	United States Express Co Albert Dean et al	Transportation	589.

	Name.	Nature of payment.	Tot
-		·	
J	no. McBirney et al oshua Miller et al no. Forbes et al V. H. Gibbs et al J. Brougham et al dorris Wooden et al ieo. Ditewig et al Vm. Thompson et al has. M. Day et al ra K. Atherton an McCunningham bram M. Adams be N. Jewett b. B. Morse V. E. Hill Vm. D. Jorden	Salaries	\$3 1
J	oshua Miller et al	do	1
J	no. Forbes et al	do	4
1	V. H. Gibbs et al		1 4
1 1	.J. Brougham et al.	do	1, 4
1 7	Torris Wooden et al	do	. 2
1 6	Vm. Thompson et al	do	
16	has M Day at al	do	, 8
Ť	ra K. Atherton	Services	
İ	an McCunningham	do	
1 2	bram M. Adams	do	
I	De N. Jewett	do	
A	A. B. Morse	do	1
1	V. E. Hill	do	1
1	Vm. D. Jorden	do	
1	hos. N. Bray	do	
A	lex. Lobb	do	
L	harry B. Adair	00	
T T	Poton I Worshnon	do	
T	Valter Wellman	Report on horses for export	5
T	Abram M. Adams be N. Jewett L. B. Morse V. E. Hill V. E. Hill V. M. D. Jorden chos. N. Bray clex. Lobb larry B. Adair rank T. Shannon eter I. Kershner Valter Wellman V. S. Devoe et al larry H. Cofoid et al cooie A. Geddes Vilfred D. Robbins ames Irwin diwd. Shelden sen, S. Paddock et al aml. E. Bennett et al Stewart et al B. Hess et al N. Hutchinson et al eto. S. Baker et al V. H. Wray A. A. de Schweinitz V. H. Wray A. A. de Schweinitz V. M. Galt & Co Balzer et al chos. J. Turner et al rrajan A. Shipley et al chos. J. Turner et al rrajan A. Shipley et al chos. W. Oshel et al con. R. Mohler et al lenry E. Alvord don. R. Mohler et al con. P. O'Leary V. E. Stoner D. Gilman che Chesapeake and Potomac Telephone Co no. P. O'Leary V. A. Rushworth A. Robinson rrank J. Gilmore L. L. Russell chas. M. Day chas. Cowie no. A. Bell M. Turner don C. Ayer et al R. Green et al T. P. Hinkley et al L. L. Morin chas. Cowie A. Bell M. Perry A. Bell M. Perry S. Braisted chores con. McBirney	Salaries	7,0
F	Iarry H. Cofoid et al	do	2, 2
T	ooie A. Geddes	Traveling expenses	1
T	Vilfred D. Robbins	Services	
J	ames Irwin	do	
F	Edwd. Shelden	do	1
. I	Benj. S. Paddock et al	Salaries	1
S	aml. E. Bennett et al	do	3, 6
S	Stewart et al	do	1, t
L	D. Hess et al.	00	6
C	Log S. Rekonet of	do	4
H	M Huntar et al	Sorvings	8
7	V H Wron	do	9
J	F Ryder	do	1
	- do	Traveling expenses	
V	V. H. Wrav	do	
F	A. de Schweinitz	Office expenses	
V	V. M. Galt & Co	Oats	
E	L. Balzer et al	Salaries	4, 9
T	hos. J. Turner et al.	do	8
A	rchd. McBride et al	do	3
1	rajan A. Shipley et al	do	3
T	nos. W. Osnel et al	do	1
L D	Io. R. Monier et al		1, 0
1	do	traveling expenses	1, 0 2
G	en S Rakar	do	
T	Vm C Honan	do	
T	V. S. Cass	do	
V	V. E. Stoner	do	
Z	. D. Gilman	Supplies	
I	The Chesapeake and Potomac Telephone Co.	Services	
J	no. P. O'Leary	Traveling expenses	
i	Vm. A. Rushworth	do	
Î	A. Kobinson	do	
I I	rank J. Gilmore	do	
C	has M Day	do	
0	has Cowie	00	
Ţ	no A Roll	00	
T.	. M. Turner	do	
T	owell Clarke et al	Salaries	1, 1
Î	Oon C. Aver et al	do	2, 4
A	. E. Behnke et al	do	1 2
I	. R. Green et al	do	1, 3 1, 4 7
N	I. P. Hinkley et al	do	7
C	. L. Morin	Services	
C	has. Cowie	do	
J	. A. Bell	do	
F	. M. Perry	do	1
C	. S. Braisted	Penholders.	
A	Ibert Dean	Traveling expenses	
H	rank T. Shannon	do	:
	L Monac	do	

Date.	Name.	Nature of payment.	Total.
1897.			
ec. 17	D. R. Way	Traveling expenses	\$65.
	Albert Dean International Navigation Co	Office expenses	\$65. 2.
	International Navigation Co	Transporting butter	48.
	Manhattan Supply Co Bausch & Lomb Optical Co Logan, Swift & Brigham Envelope Co E. M. Willis	Clock Syringes Envelopes	10.
	Bausch & Lomb Optical Co	Syringes	11. 57.
	Logan, Swift & Brigham Envelope Co	Envelopes	57.
	Jas. S. Topham.	Ice	13.
	Jas. S. Topham. Washington Gas Light Co. Grant Manufacturing Co. Mackall Bros. & Flemer Rudolph, West & Co. E. J. Brooks & Co. do. Dennison Manufacturing Co.	Belts Gas	25. 19. 10.
18	Grant Manufacturing Co	Lead disks	10.
10	Mackall Bros & Flemer	Rubber tubing, etc	9.
	Rudolph West & Co.	Screens, etc.	11.
	E. J. Brooks & Co	Screens, etc	510.
	do	Pads. Meat inspection tags	6.
	Dennison Manufacturing Co	Meat inspection tags	609.
	do. Wm. E. Prattdo. Chas. O. Brockway.	Meat duplicate tags Hog ringsdo Tags	49.
	Wm. E. Pratt	Hog rings	2.
	:do	do	15. 10.
	Chas. O. Brockway	Tags	15.
	10	Exportation stamps	10.
	do	do	6.
	Thomas Manufacturing Co	Tag tasteners	6. 6.
	do Thomas Manufacturing Cododo	Tags	6.
	Coton Monufacturing Co	Tags	34.
	Caton Manufacturing Co. R. A. Pearson. Southern Rwy. Co Chas. H. Blemer. Edwd. Shelden F. M. Perry De N. Jewett T. A. Bray Geo. Grafton H. E. Alyord	Ink	4. 17.
	K. A. Fearson.	Paganger transportation	17.
20	Chas H Plamer	Traveling expenses	70.
20	Fdwd Shelden	do de	61.
	F M Perry	do	54.
	De N. Jewett	do	46.
	T. A. Bray	do	33.
	Geo. Grafton	do	4.
	H. E. Alvord	do	71.
	C. H. Ha ns on David Swanson	Stencil plates	3. 2. 9.
	David Swanson	Repairing scissors	2.
	Jne Haberle	Repairing combination boxes	9.
	Office Toilet Supply Co.	Towel service	53.
	S. L. Brooking	Office expenses	3,
	O. E. Dyson	Hire saddle horse	15.
	O.J. Lanigan	do	15.
0.	Office Toffet Supply Co. S. L. Brooking O. E. Dyson O. J. Lanigan Chicago Telephone Co. N. Wilson & Bro.	Towel service. Office expenses. Hire saddle horse. do Telephone service.	29.
21		Cabbage Traveling expenses do Office rent	2.
22	R. A. Pearson	Traveling expenses	35. 12. 15.
23	D. E. Salmon Kansas City Stock Yards Co.	Office rent	15.
20			10.
	N. P. Hinkley Union Stock Yard Transit Co. Gaban & Byrne Louis Aman	do	25.
	Union Stock Vard Transit Co	do	15.
	Gahan & Byrne	do	225.
	Louis Annan	Hogs	- 91
	O. A. Andersen	Towel supply	121.
	Bay State Clean Towel Furnishing Co	Towel supply	5.
	O. A. Andersen. Bay State Clean Towel Furnishing Co Juo. Forbes. F. B. Festner.	Hire horse and buggy	121. 5. 15. 6.
	F. B. Festner	Record book	6.
	F. B. Festner Evans Laundry Co. Moquin, Offerman, Heissenbattle Coal Co R. S. McCurdy. J. W. Timmer Rand, McNaily & Co. The Consumers' Co. W. B. Moses & Sons. Melville Lindsay. W. F. Ell.	Towel supply	7.
	Moquin, Offerman, Heissenbattle Coal Co	Coal	2.
	R. S. McCurdy	Towel supply	12.
	J. W. Timmer	Supplies	20.
	The Consumers' Co	Ice	2. 5.
	W P Massa & Sons	Window shades	14
	Melville Lindsey	Hose	28
	W E Hill	Traveling expenses	14. 28. 7.
	Harry B. Adair	do	38.
	MERTHE LIMBAY W. E. Hill Harry B. Adair Geo. S. Baker W. C. Barth W. S. Cass	do	7.
	W. C. Barth.	do	1. (
	W. S. Cass	do	2.
	Julius Huelsen	do	3.
	Julius Huelsen. Wm. Thompson C. A. Schautler. Geo. C. Faville.	do	3.
	C. A. Schaufler	do	5. 12.
	Geo. C. Faville	do	12.
	S. E. Bennett	do	1.6
	A. E. Behnke	do	19. 1
	W C Downe	. do	10.
	W.S. Devoe		
	S. E. Bennett A. E. Behrke W. S. Devoe F. L. Russell Pacific Telephone and Telegraph Co. O. B. Hess	Services	10. 48. 10.

Date.	Name.	Nature of payment.	Total.
1897.			
Dec. 23	New England Telephone and Telegraph Co.	Telephone service	\$13.00
	J. W. Davis	Hire horse and buggy	7. 50 40. 0
	New York Telephone Co	Telephone rent.	20. 2
	A. E. Behnke	Hire horse and buggy	25. 00
	Cleary Bros	dodo	16. 00 35. 3
28	New England Telephone and Telegraph Co J. W. Davis N. P. Hinkley New York Telephone Co A. E. Behnke Cleary Bros Marshall Hawley E. C. Schroeder	Hire horse and buggy do Telephone rent Hire horse and buggy do do Office expenses.	3. 5
	F. H. Phillips	Salary	2.00
31	F. H. Phillips	Salary	175. 50
•	Total for second quarter		175, 518. 5
1898.	T.11	T-1	0.0
Jan. 3	Library Bureau. New York Telephone Co	Telephone service	8. 2 21. 9
	Pennsylvania R. R. Co Estate of John Broderick	Passenger transportation	50. 6
	Estate of John Broderick	Office rent	14.0
	St. Louis Notional Stock Vards	do	8. 8 29. 2
	E. S. Schmid	Feed for experiment animals	1. 8
5,	Victor A. Norgaard	Office expenses	4.8
	T. D. Channen	The valing among a	3.1
	Wabash R. R. Co.	Passenger transportation	2. 5 7. 5
	International and Great Northern R. R. Co.	do	13. 8
	St Louis and San Francisco P. P. Co	do	9. 20 18. 8
	Pennsylvania R. R. Co. Estate of John Broderick	do	33. 6
	Co. Galveston, Harrisburg and San Antonio R. R. Co.	do	33. 8
	Coutham Dacks D. D. Co	do	40.0
	Chiegge Burlington and Quincy R. R. Co.	do	4. 00 7. 3
	dodo	do	4. 6
	Norfolk and Western Rwy. Co	do	7.8
	Louisville and Nashville R. R. Co	do	10.00 14.8
	Southern Facilic R. R. Codo. Chicago, Burlington and Quincy R. R. Codo Norfolk and Western Rwy. Co. Louisville and Nashville R. R. Co. Missouri Pacific Rwy Co. Kansas City, St. Joseph and Council Bluffs	do	1. 9
6			
,	R. W. Hickman et al. do. do. do. C. A. Schaufler et al. H. A. Hedrick et al. A. J. Payne et al. Jno. T. McNeeley. Tooie A. Geddes. Ira K. Atherron C. M. Day. G. W. Ward N. R. Gill The Grant Manufacturing Co Capital Traction Co E. M. Willis. H. A. Hedrick	Office expenses	3. 1
-	C. A. Schaufler et al	Salaries	812. 2
7	A. J. Payne et al.	do	478. 3 250. 2
	Jno. T. McNeeley	Services	97. 8
	Toole A. Geddes	do	117. 9
	C. M. Day	do	101. 10 101. 10
	G. W. Ward	do	115. 0
	N. R. Gill	Office rent	10. 4
	Capital Traction Co	Street ear tickets	5. 00
	E. M. Willis	Ice	12. 4
	H. A. Hedrick	Office expenses	3.0
	Ino T McNeeley	Traveling expenses	8. 00 60. 00
	G. W. Ward	do	39. 1
8	Joshua Miller et al.	Salaries	176. 9
	T. J. Shipley et al	do	411. 13 314. 9
	Geo. Detewig et al.	do	252, 70
	L. R. Baker et al.	do	948.00
	H. N. Waller et al	do	369.40
	E. M. Willis H. A. Hedrick A. J. Payne Jno. T. McNeeley G. W. Ward Joshua Miller et al Joshua Miller et al T. J. Shipley et al Geo. Detewig et al L. R. Baker et al Jno. McBirney et al H. N. Waller et al W. S. Cass et al W. H. Gibbs et al Albert Dean et al Geo. C. Faville et al Julius Huelsenet al Edwd. Shelden P. I. Kershner Thos. A. Bray F. T. Shannon Dan. McCunningham H. B. Adair A. M. Adams.	do	265. 70 545. 93
	W. H. Gibbs et al.	do	237.50
	Geo. C. Faville et al	do	601. 50 338. 50
	Julius Huelsen et al	do	621. 40
	Edwd. Shelden	Services	621. 40 50. 00
	Thos A Bray	do	101.10
	F. T. Shannon.	do	101. 10 101. 10
	Dan. McCunningham	do	101. 1
	Tr To Later and the control of the c		101.1

$Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30, 1898 - {\bf Cont'd}.$

ate.	Name.	Nature of payment.	Tota
398.			
. 8	W. E. Hill	Services	\$10
	Wm. D. Jorden	do	101
	A. B. Morse	do	117
	A. B. Morse Joshna Miller Jno. W. McBirney G. H. Robinson J. C. Glasgow	Office expensesdo	24 64
	Jno. W. McBirney	do	24
	G. H. KODINSON	Hogs	64
	J. C. Glasgow D. A. Farrens H. B. Davidson Whitall, Tatum & Co. The J. F. W. Dorman Co. Crossys Pack of Many factoring Co.	do	5
	H R Davidson	Rent of land.	5 5
10	Whitall Tatum & Co	Supplies	15
10	The J. F. W. Dorman Co.	Supplies Stamp pads Butter boxes	
- 1	Creamer Package Manufacturing Co	Butter boxes.	17
11	Creamer Package Manufacturing Co H. J. Blackwell Chas. O. Brockway	Services	17 58
	Chas. O. Brockway	Interstate stamps	739
	do do	do	252
	do	Export etampa	85
	E. J. Brooks. B. H. Adams J. A. Turner & Co	Lead seals and wire	85
	B. H. Adams	Office rent	14
	J. A. Turner & Co	do	12
	Jas, F. Dean	do	40
	Jas. F. Dean. G. W. Tourtellot. James Stikeman. Packers' National Bank.	do	45
	Packers' National Park	00	43
	St. Joseph Stock Yards Co	do	50 12
- 9	R P Oliver	do	20
	Nehraska Telephone Co	Telephone services	20
	St. Joseph Status C. B. P. Oliver Nebraska Telephone Co. Wm. D. Jorden Danl. D. Lee.	Traveling expenses	50
	Danl. D. Lee	Office expenses	36
	do	do	ç
	C. E. Moss	do	2
	Thos. J. Turner	do	3
	N. P. Hinkley	do	7
	W. H. Rose	do	ġ
	Don C. Ayer.	do	3
	Archd. McBride	do	1
	W.D. Robbins	do	1
	F. W. Huntington	do	1
12	S. L. Brookins et al	Salaries	1, 147
	E. P. Shaffter et al	do	826
	Don C. Ayer et al	do	2, 530
	A. E. Behnke et al.	do	1, 368
	J no. K, Monler et al	00	1, 013
13	Thee W Oahel et al.	do	1, 190
15	E N Hutchinson et al	do	176 220
	Archd McBride et al	do ·	365
	O. B. Hess et al	do	390
	Wm. Thompson et al	do	415
	Jno. Forbes et al.	do	577
1	Morris Wooden et al	do	415 577 802
	Wm. D. Jorden Danl. D. Leedo C. E. Moss Thos. J. Turner N. P. Hinkley W. H. Rose. Don C. Ayer Archd. McBride W. D. Robbins F. W. Huntington S. L. Brookins et al E. P. Shaffter et al Don C. Ayer et al A. E. Behnke et al Jno. R. Mohler et al Lowell Clarke et al E. N. Hutchinson et al E. N. Hutchinson et al Archd. McBride U. N. Hotel et al Don C. Ayer et al Archd. McBride et al Thos. W. Oshel et al E. N. Hutchinson et al Archd. McBride et al O. B. Hess et al Morris Wooden et al Jno. Forbes et al Morris Wooden et al S. Stewart et al S. E. Bennett et al S. E. Bennett et al Jno. C. Parker	do	958
	S. Stewart et al	do	1,667
	S. E. Bennett et al	do	3, 042
	Jno. C. Parker	Record books	9
14	H. C. Coroid et al	Salaries	2, 108
	E. Balzer et al	do	5, 025
15	Z. D. Gilman	Supplies.	7 5
	Rudolph, West & Co Barber & Ross Geo. E. Howard	Nails, hammers, etc	b
	Coo F Howard	Oil stoves	120
	Jae Irwin	Services	94
1	W. D. Robbins	Servicesdo	84 101
	Jas. Irwin W. D. Robbins F. W. Huntington et al	Salaries.	155
1	N. P. Hinkley et al.	do	825
	N. P. Hinkley et al W. H. Rose et al Marion Dorset	do	1,037
	Marion Dorset	Office expenses	6
	Louis K. Green et al	Traveling expenses	825 1, 037 6 167
17	Louis K. Green et al	Salaries	1, 482
	F. M. Russell Chas. Cowie	Traveling expenses	36
	Chas. Cowie	do	5
	Jno. A. Bell	Salaries Traveling expenses do do do	5
	C. L. Morin Dennison Manufacturing Co	Services	20
	Dennison Manufacturing Co	Duplicate tags	90
	do	Inspecting stamps	6
	do	Services Duplicate tags Inspecting stamps Tags	4
	F. L. Russell	Servicesdo	72
		de	60

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	Southern Rwy. Co. United States Express Co. The G. W. Knox Express Co. United States Electric Light Co. J. Ottmann. W. S. Devoe et al. W. M. Balmer et al. Danl. D. Lee et al. Chas. Bullard et al. J. J. Brougham et al. Geo. S. Baker et al. J. F. Ryder. F. M. Hunter Geo. S. Baker. J. F. Ryder. W. H. Wray. W. S. Cass. Geo. Carter. J. C. Callahan. W. H. Wray. Thos. C. Waters W. H. Wray. Thos. C. Waters W. H. Wray Burlington and Missouri River R. R. in Nebraska. Southern California Rwy. Co.	·	
an. 18	Southern Rwy. Co	Passenger transportation	\$13.75
	United States Express Co	do	21. 50
	United States Electric Light Co	Supplies	4. 30
	J. Ottmann	do	115. 63
19	W. S. Devoe et al	Salaries	7, 641.17
	W. M. Balmer et al	do	811.18
	Danl. D. Lee et al.	do	699. 18 1, 201. 79
	J. J. Brongham et al	do	1 472 04
	Geo, S. Baker et al	do	1, 472. 04 805. 18 168. 50
	J. F. Ryder	Services	168. 50
	F. M. Hunter	(lo	84.20
	J. F. Pydor	traveling expenses	19. 40 30. 00
	W. H. Wrav	do	11.16
	W. S. Cass.	do	2, 70
	Geo. Carter	do	1.87
	J. C. Callahan	Grand transfer	1. 67 23. 51
	Thos C Waters	suppnes, etc	80. 68
	W. H. Wrav	Services	387. 50
20	Burlington and Missouri River R. R. in Ne-	Passenger transportation	2.94
	braska.	-	40.00
	Southern California Rwy. Co	(0	10. 00 8. 25
	Rwy Co		0. 20
	Erie R. R. Co	do	18.00
	Terre Haute and Indianapolis R. R. Co	do	25. 00
	Southern Pacific Co	do	1. 25 50. 50
	do	traveling expenses	24.20
	Jno. McBirney	do	34, 20 47, 45
	D. R. Way	do	65. 49
	Geo. Grafton	do	4.00
	Chas. H. Blemer	do	45.60
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Erie R. R. Co. Terre Haute and Indianapolis R. R. Co. Southern Pacific Co. Tooie A. Geddes. do. Jno. McBirney D. R. Way Geo. Grafton Chas. H. Blemer Thos. A. Bray Dan. McCunningham F. T. Shannon W. D. Jorden A. B. Morse W. E. Hill Washington Gas Light Co J. H. Monrad Ida M. Meeks Geo. C. Faville W. E. Stoner W. A. Rushworth J. P. O'Leary	do	48. 65 48. 95
	F. T. Shannon	do	34, 54
	W. D. Jorden	do	29, 30
1	A. B. Morse.	do	9.50
	Washington Gas Light Co	do	6.35 18.10
21	J. H. Monrad	Services	152. 42
	Ida M. Meeks	do	8. 15 6. 33
	Geo. C. Faville	Traveling expenses	6. 33
	W. E. Stoner		3.00 3.25
	J. P. O'Leary	do	12. 25
	R. W. Hickman	Office expenses	12. 25 1. 56
1	Julius Huelsen	do	3.05
	H. A. Hedrick	do	3. 50
	Dani, D. Lee	do	5.75 6.00
	W. H. Rose	do	18, 35
	W. E. Stoner W. A. Rushworth J. P. O'Leary R. W. Hickman Julius Huelsen H. A. Hedrick C. A. Schaufler Danl. D. Lee W. H. Rose N. P. Hinkley - do T. A. Shipley I. K. Atherton Geo. Detewig W. D. Robbins Lewis Baker S. L. Brooking Don C. Ayer Wm. Thompson Joshua Miller Jas. J. Brougham Albert Dean W. S. Cass S. E. Renest	do	10. 25
	do	do	5. 65
	I. A. Shipley	do	. 65
	Geo. Detewig	do	. 65 . 65
	W. D. Robbins.	do	. 75
	Lewis Baker	do	1.00
1	S. L. Brooking.	do	1.15
	Wm. Thompson	do	2.40 2.50
	Joshua Miller	do	2.50
	Jas. J. Brougham	do	3.00
	Albert Dean	do	3, 29
	W. S. Cass S. E. Rennett	do	3.90
	S. E. Bennett Geo. S. Baker Thos. J. Turner	do	4. 09 4. 40
	Thos. J. Turner	do	4.40
	A. E. Behnke	do	18. 10
	W. S. Devoe	do	5.34
	West Shore P. P. Now York Co.	Transportation	22. 89
	Wabash R. R. Co Wabosh R. R. Co West Shore R. R., New York Central and Hudson River R. R., lessee. Burlington and Missouri River R. R. in Nebraska.	ao	. 66
	Burlington and Missouri Di . D D .	do	9.39
- 1	Nebraska.	UU	

Date.	Name.	Nature of payment.	Total.
1898.	•		
an. 21	Pittsburg, Cincinnati, Chicago and St. Louis R. R. Co.	Transportation	\$.
	Hannibal and St. Joseph R. R. Co	do	
	do	do	13.
	Baltimore and Onio Southwestern Rwy. Co	do	1.
	do Oregon R. R. and Navigation Co Vandalia Line do	do	1.
	Vandalia Line	do	20.
	do	do	7.
	do	do	24.
	Star Union Line	do	
	do	do	1.
22	E S Schmid	Prepared food	1. 1.
22	Goumpf & Thompson	Enameling microscope stand	8.
	Danenhower & Co	Feed for animals	95.
24	C. W. Stiles	Office expenses	18.
	Jno. McBirney	do	10.
	do do	Traveling expenses	120. 36.
	Edwd. Shelden	do	18.
	Chas. M. Day	do	64.
	Dan. McCunningham	do	32.
0.17	Vandalia Linedoddo	do	37.
25	Belt K. K. and Stock Yard Co	Omce rent	10
	Konses City Stock Vard Co	do	12 15
	Union Stock Vards and Transit Co	do	15
	Gahan & Byrne	do	225
	B. P. Oliver.	do	20
	St. Louis National Stock Yards	do	29
	St. Louis Aational Stock Yards G. W. Tourtellot. Packers' National Bank. N. R. Gill. J. N. Turner & Co. Joseph F. Dean	do	45
	Y D Cill	do	50
	J. N. Turner & Co.	do	10 12
	Joseph F. Dean.	do	40.
	B. H. Adams	do	40
	Jas. Stikeman	do	41
	Jas. Stikeman Jas. B. Lambie The Maurice Joyce Engraving Co	Tacks and chisel	11
26	The Maurice Joyce Engraving Co	Engraving map	11.
20	The Maturice Joyce Engraving Co. Jno. Forbes R. S. McCurdy James Sullivan W. A. Griswold J. W. Turner	Towel supply	13
	James Sullivan	Towel supply Coal Soap Gas stove	8
	W. A. Griswold	Soap	3.
	J. W. Turner	Gas stove	4.
	Wyandotte Gas Co	1+99	2
	The Peater Cas Light Co	Towel service	5
	Wyandotte Gas Co. Bay State Clean Towel Furnishing Co. The Boston Gas Light Co Evans Laundry Co.	Gas. Towel service	4.
	Freeman Bros.	Gasoline, etc	2.
	The Office Toilet Supply Co	Towel service	50
	Rand, McNally & Co	Stationery	5.
	Freeman Bros. The Office Toilet Supply Co. Rand, McNally & Co. The Consumers' Co.	Hampor bookst	5. 5.
	Towa Telephone Co	Hamper basket Telephone services	6.
	The Consumers' Co. The Fair Iowa Telephone Co. A. E. Bebnke. The Bell Telephone Co. of Philadelphia do. New York Telephone Co.	Hire horse and buggy	25.
	The Bell Telephone Co. of Philadelphia	Telephone service	14.
	do	do	26.
	New York Telephone Co	do	21.
			20. 7.
	70 10 m 1 1 1 m 1 1 0	do	10.
	O. B. Hess	Hire horse and buggy	30.
	The Chesapeake and Potomac Telephone Co.	Telephone service	19.
	New England Telephone and Telegraph Co.	do	13.
	Pacific Telephone and Telegraph Co. O. B. Hess. The Chesapeake and Potomac Telephone Co. New England Telephone and Telegraph Co. N. P. Hinkley. Nebraska Telephone Co. Marshall & Hawley Chicago Telephone Co. O. E. Dyson O. J. Lanigan J. Haberle	Telephone service do Hire horse and buggy Telephone service Hire horse and buggy Telephone service Hire horse and buggy	40. 4.
	Marshall & Hawley	Hira horse and huggy	52
	Chicago Telephone Co	Telephone service	53. 29. 15.
	O. E. Dyson	Telephone service Hire saddle horse	15.
	O.J.Lanigan	do	15.
	J. Haberle	Repairing lock, etc	8.
	David Swanson	Repairing seissors	θ,
97	N. P. Hinkley	Office expenses	3. 47
27 28	David Swanson N. P. Hinkley Wm. E. Pratt A. Wilson & Bro E. J. Brooks & Co Thomas Manufacturing Co	Hrie saddie norse. do Repairing lock, etc Repairing scissors Office expenses. Hog rings Cabbage Supplies Meat hooks	8. 5. 3. 47. 6.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BUREAU OF ANIMAL INDUSTRY-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
an. 31	Chicago Car Seal and Manufacturing Co Chas. O. Brockway F. M. Perrydo Jas. T. Stuartdo V. P. Hinkley F. H. Phillips et al. A. M. Adams R. A. Pearson E. A. de Schweinitz A. Hoen & Co. Springfield Envelope Co. The Chesapeake and Potomac Telephone Co. Pennsylvania R. R. Co. International and Great Northern R. R. Co. Co. The Chicago and Alton R. R. Co. Galveston, Harrisburg and San Antonio R. R. Co.	Tin sample boxes	\$2.2
	Chas. O. Brockway	Tags	56. 0
	F. M. Perry	Traveling expenses	80. 0 32. 3
	Jos T Stuart	dodo	3. 4
	do	Office expenses	.1
	East Buffalo Live Stock Exchange Co	Office rent	15.4
	N. P. Hinkley	do	12.1
, ,	F. H. Phillips et al.	Salaries	352.4
eb. 1	A. M. Adams	do de la companya de	48. 6 3 5. 7
	E. A. de Schweinitz	do	31.8
	A. Hoen & Co	Supplies	125. 0
	Springfield Envelope Co	Envelopes	12.8
2	The Chesapeake and Potomac Telephone Co.	Telephone service	22. 8 21. 0
	Pennsylvania R. R. Co.	Passenger transportation	21.0
	International and Great Northern R. R. Co.	do	22. 1 18. 6
	The Chicago and Alton P. R. Co	do	14. 6
	Galveston, Harrisburg and San Antonio R. R.	do	10. 1
	Co.		2012
	Henry E. Alvord	Traveling expenses	57. 6
3	J. H. Monrad Bausch & Lomb Optical Co J. Ottman Lithograph Co	Services	225. 0
	Bauseh & Lomb Optical Co	Boxes	9. 5
4	W. H. Poss et al	Litnographs;	206. 0 1, 060. 8
4 5	Chas H Blamar	Services	103.3
J	Frank T. Shannon	do	103. 3
	Dan. McCunningham	do	103.3 103.3
	Wm. D. Jorden	do	103. 3
	Thos. A. Bray	do	103.3
	Abram M. Adams	do	103.3 103.3
	Tulina Huckan et al	Solorios	635. 5
	H A Hedrick et al	do	489. 1
	Albert Dean et al	do	511.4
	Abram M. Adams	Traveling expenses	511. 4 47. 1
7	Chas. A. Schaufler et al	Salaries	824.3
	Danl. D. Lee	do	699. 7
	Wm. M. Balmer et al	(10	836. 9
-	W S Coss et al	do	1, 991. 4 563. 1
9	Geo. C. Faville	Office expenses	3 7
	Albert J. Payne et al	Salaries.	3.7 258.3
	N. P. Hinkley	do	838. 9
	Chas. Bullard	do	1, 236. 3 346. 2
11	Geo. C. Faville et al	do	346. 2
11	W F Hill	Services	103. 3 103. 3
	Peter I. Kershner	do	103.3
	Tooie A. Geddes	do	120.6
	A. B. Morse	do	120.6
	P. H. Mullowney	do	50.0
	L.J. Allen	Calaria.	73, 3
	Wm Thompson et al	Salaries	590. 7 459. 8
	Archb. McBride et al.	do	405. 6
	T. A. Shiplev et al	do	322.1
	W. H. Gibbs et al .	do	242.8
	T. W. Oshel et al	do	180.8
	Jno. F. Schierman et al	do	76.5
	Hoper V Weller et al.	do	3, 163. 0
	A. G. G. Richardson et al	do	310.8
	E. P. Schaffter et al	do	422. 1 810. 8
	L. R. Baker et al	do	969. 7
	Jas. J. Brougham et al	do	1,507.7
	S. L. Brooking et al	do	1, 194. 7 1, 042. 0
	Ino MaRimor et al	do	1, 042. 0
	Geo Ditewig et al	do	320.1
	Joshua Miller et al	do	258.3 180.8
	Ernest Betz	Supplies	9 9
	E. Morrison Paper Co	Paper chips.	180. 8 2. 2 1. 5
	Morris Wooden et al.	Salaries	862. 0
10	Henry E. Alvord J. H. Monrad Bausch & Lomb Optical Co J. Ottman Lithograph Co W. H. Rose et al Chas. H. Blemer Frank T. Shannon Dan. McCunningham Wm. D. Jorden Thos. A. Bray. Abram M. Adams Harry B. Adair Julius Huelsen et al H. A. Hedrick et al Albert Dean et al Abram M. Adams. Chas. A. Schaufler et al Danl. D. Lee Wm. M. Balmer et al. R. W. Hickman et al W. S. Cass et al. Geo. C. Faville Albert J. Payne et al. N. P. Hinkley Chas. Bullard Geo. C. Faville Chas. Bullard Geo. C. Faville Lira K. Atherton W. E. Hill Peter I. Kershner Toole A. Geddes A. B. Morse P. H. Mullowney L. J. Allen Jno. Forbes et al. Wm. Thompson et al. Archb. McBride et al T. A. Shipley et al Wm. H. Gibbs et al T. W. Oshel et al J. T. A. Shipley et al W. H. Gibbs et al T. W. Oshel et al L. R. Bennett et al L. R. Bennett et al L. R. Barry W. Waller et al L. R. Barry Wooden et al W. S. Devoe et al	Rent of land	50.0
12	E. Baizer et al	Salaries	5, 415. 1 7, 541. 5

 $\label{lem:expenditures} Expenditures of \ Department \ of \ Agriculture \ for \ fiscal \ year \ ending \ June \ 30, \ 1898-Cont'd.$

BU	REAU	OF ANIMA	L INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
	2.000	2 variate of payment.	
1898.	a a p		
Feb. 12	C. C. Bone et al.	Salaries	\$2, 203, 33
	Fredk Springman	Transportation	218. 13 6. 50
14	F. M. Perry	Services	56, 00
)	C. L. Morin	do	12.00 86.10
	Jas. Irwin	do	86. 10
	L. K. Green et al.	Salaries	1, 477, 40
	W. D. Pobbins et al	do	399.60
	United States Electric Light Co	Electric current.	131.30 4.98
	Pennsylvania R. R. Co	do	. 96
	Wabash R. R. Co.	do	6, 92
	Edwd. F. Ebinger	do	. 92
- 1	do	do	. 90
1	Cleveland, Cincinnati, Chicago and St. Louis	do	. 24
	C. C. Bone et al. Benj. S. Paddock et al. Fredk. Springman F. M. Perry C. L. Morin Jas Irwin L. K. Green et al. O. B. Hess et al. W. D. Robbins et al. W. D. Robbins et al. United States Electric Light Co. Pennsylvania R. R. Co. Edwd. F. Ebinger. do. do. Cleveland, Cincinnati, Chicago and St. Louis R. R. Co. Chicago, Indianapolis and Louisville Rwy. Co. Chicago, Indianapolis and Louisville Rwy. Co. do do do Chicago and Northwestern Rwy. Co. Chicago and Alton R. R. Co Baltimore and Ohio R. R. Co. Star Union Line. do do do do do Star Union Line. do do do Star Union Line. Juno R. Mohler et al. Asa N. McQueen. E. N. Hutchinson et al Don C. Ayer et al. Lowell Clarke et al S. Stewart et al Fredk, W. Hopkins. do Chas. H. Blemer F. T. Shannon Dan McCunningham C. L. Morin D. H. Mullowney. W. E. Hill Wm. C. Honan Wm. D. Jorden H. B. Adair Albert Dean S. L. Brooking Lemcke & Buechner. Juno, T. Milliken & Co.	1	
1	Chicago, Indianapons and Louisville kwy.Co.	do	2. 70
	do	do	.72
	Chicago and Northwestern Rwy. Co	do	2.00
	Chicago and Alton R. R. Co	do	5.04
	Baltimore and Ohio R. R. Co	do	. 98 1. 78
	Star Union Line	do	2.47
- 1	dodo	do	1. 89
	do	do	1.05
	do	do	. 63
15	Z. D. Gilman	Supplies	29. 49
	Ino R Mobler et al	do	1, 413. 50 1, 399. 70 40. 00
	Asa N. McQueen	Supplies	40.00
	E. N. Hutchinson et al	Salaries	226. 80
	Don C. Ayer et al.	do	2, 568. 70
	Lowell Clarke et al	do	2, 568. 70 1, 209. 78 1, 821. 88
17	Fredk W Hopkins	Services	46. 67
	do	do	10.00
	Chas. H. Blemer	Traveling expenses	19.30 37.60
	F. T. Shannon	do	37. 60
	Dan McCunningnam	do	34. 15
	P. H. Mullownev	do	3.05 16.90
	W. E. Hill	do	20. 25 10. 72
- 1	Wm. C. Honan	do	10.72
	Wm. D. Jorden	00	45. 07 47. 20 11. 25
	Albert Dean	do	11 25
1.	S. L. Brooking	Office expenses	2.00
	Lemcke & Buechner	Book	1. 50
	Jno. T. Milliken & Co	Supplies	7. 50 5. 56
	Albert Dean S. L. Brooking Lemcke & Buechner Jno. T. Milliken & Co Gustav E. Stechert do	do	5, 56 3, 50
	do.	do	2, 95
	Mackall Bros. & Flemer	do	26.07
18	Jas. J. Brougham	Office expenses	2.40
- 1	Jno. Forbes	0b	1.50 1.50
	S. F. Rennett	do	3. 60
	W. S. Cass	do	9 00
1	Jno. McBirney	do	1.33
1.	Arthur B. Morse	do	3, 35
- 1	W. D. Robbins	do	1.50
	A. M. Adams	Traveling expenses	2.75 97.92
	W. S. Cass	do	2.70
	Geo. Grafton	do	4.00
21	J. M. Turner	Commisses	3. 90 387. 50
21	F M Hunter	do	86 10
	J. F. Ryder	do	172. 20 60. 00
	G. W. Ward	do	60.00
	F. L. Russell	do	80.00
	Gustav E. Stechert do do Mackall Bros. & Flemer Jas. J. Brougham Jno. Forbes L. R. Baker S. E. Bennett W. S. Cass Jno. McBirney Arthur B. Morse W. D. Robbins Joshua Miller A. M. Adams W. S. Cass Geo. Grafton J. M. Turner W. H. Wray F. M. Hunter J. F. Ryder G. W. Ward F. L. Russell Chas. Cowie Chas. M. Day L. M. Day L. D. Mitchell	do	80. 00 103. 30
	Chas. M. Day J. R. Mitchell Geo. S. Baker et al F. W. Huntington et al	do	6. 67 804. 30 157. 30
			0. 0.
	Geo. S. Baker et al	Salaries	804.30

ate.	Name.	Nature of payment.	Total.
898.	E. P. Dowd . Chas, M. Day J. F. Ryder Geo. S. Baker F. J. Gilmore Jno. McBirney F. M. Perry Geo. C. Faville W. E. Stoner D. R. Way Jno. Po'Leary B. P. Wende A. E. Behnke Thos. J. Turner E. P. Schaffter Don C. Ayer Geo. S. Baker		
b. 21	E, P. Dowd	Traveling expenses	\$7.
	Chas. M. Day	do	65.
	J. F. Ryder	do	45.0
	Geo. S. Baker	do	18.0
	F.J. Gilmore	do	16. 8 53. 6
	Jno. McBirney	· · · do	11.
	Coo C Faville	do	5. 4
	W E Stoner	do	1.8
	D R Way	do	1. 8 68. 3. 4
	Jno. P. O'Leary	do	3. '
	B. P. Wende	do	1.5
	A. E. Behnke	Office expenses	33.
	Thos. J. Turner	do	7. 5
	E. P. Schaffter	·do	1.5
	Don C. Ayer Geo. S. Baker. H. A. Hedrick. W. S. Devoe W. H. Rose. Julius Huelsen C. A. Schaufler 'N. P. Hinkley Belt Railroad Stock Yards Co- Packers' National Bank B. H. Adams Jos. F. Dean	do	3.
	Geo. S. Baker	do	1.
	H. A. Hedrick.	do	2.5
	W. S. Devoe	do	7.
	W. H. Rose	do	11.
	Julius Huelsen	do	3.
	C. A. Schauner	00	4.
	N. P. Hinkley	Office rent	6. 10.
	Delt Kanroad Stock Larus Co	do	50.
	P H Adoms	do	40.
	Joe F Doon	do	40.
	Adams Jos. F. Dean St. Louis National Stock Yards Co St. Joseph Stock Yards Co G. W. Tourtellott. B. P. Oliver East Buffalo Live Stock Exchange Co N. R. Gill. Gahan & Byrne Kansas City Stock Yards Co. Jas. Stikeman J. A. Turner & Co W. E. Pratt Evans Laundry Co E. A. Conway Coal Co. Pelletier Dry Goods Co Martin P. Berg The Edison Electric Illuminating Co. E. M. Tilden.	do	29.
	St. Joseph Stock Vards Co	do	12.
	G. W. Tourtellott	do	45.
	B. P. Oliver	do	20.
	East Buffalo Live Stock Exchange Co	do	30.
	N. R. Gill	do	10.
	Gahan & Byrne	do	225.
	Kansas City Stock Yards Co	do	15.
	Jas. Stikeman	do	41.
	J. A. Turner & Co	do	12.
	W. E. Pratt	Hog rings	141.
	Evans Laundry Co	Towels furnished	7.
	E. A. Conway Coal Co.	Coal and wood	9.
	Moutin D Pong	William Shades	8,
	The Edison Plantnic Illuminating Co	Tights funnished	10. 3.
	E. M. Tilden	Ink	12.
	E. M. Willis	Ice	12.
	Jas Stewart	Casters for chairs	5.
	Jas, Stewart. Washington Gas Light Co Galveston, Harrisburg and Santa Fé Rwy.	Gas	20.
23	Galveston, Harrisburg and Santa Fé Rwy.	Passenger transportation	5.
	Pennsylvania R. R. Co	do	28.
	Lake Shore and Michigan Southern Rwy Co.	do	5.
	Atchison, Topeka and Santa Fé Rwy. Co	do	35. 27.
	Wabash R. R. Co	do	27.
	Pennsylvania R. R. Co Lake Shore and Michigan Southern Rwy Co. Atchison, Topeka and Santa Fé Rwy. Co. Wabash R. R. Co International and Great Northern R. R. Co. Baltimore and Ohio R. B. Co.	do	18.
	Baltimore and Ohio R. R. Co. Danl. D. Lee R. S. McCurdy Jas. Sullivan The Consumers' Co.	do	8.
	Dani. D. Lee	Office expenses	3.
,	Los Sullivan	Coal	14. 6.
	The Consumore' Co	Ice	5.
			3. 2.
	David Swanson	Rangiring seissors	2.
	Thomas Manufacturing Co	Tags	69.
	do		1.
	David Swanson Thomas Manufacturing Co do Dennison Manufacturing Co Chas. O. Brockway do.	Duplicate checks Interstate stamps Inspecting stamps Tags.	27.
	Chas. O. Brockway	Interstate stamps	597.
	do	Inspecting stamps	597. 57.
			40.
	do	do	39.
24	J. W. Timmer	Matches Hair tips Gasoline stove, etc Sharpening scissors	
	Goodyear Rubber Co	Hair tips	3.
	Geo. W. Briggs	Gasoline stove, etc	2.
	do J. W. Timmer Goodyear Rubber Co Geo. W. Briggs Henry Swanson	Snarpening scissors	2;
	Pand MaNally & Co	. Tin covers	7.
	J. Haberle. Rand, McNally & Co Jno. Schroeder The Office Tolet Supply Co.	Paper	4.
	ono. Schroeder	Alcohol, etc Towel supply Gas	4. 46.

Date.	Name.	Nature of payment.	Total.
1898.			
Feb. 24	Marshall Hawley	Horse and buggy and saddle horse.	\$53.00
	Albert E. Rebuke	Horse and buggy	25.00 30.00
	O. B. Hess	Horse and buggydo Saddle horse	
	O.J. Lanigan	do	15.00 15.00
	G. J. Langdin O. E. Dyson G. M. Brumbaugh M. A. S. Colman Jno. H. Monrad W. H. Lowdermilk & Co.	Traveling expenses	26, 42
	M. A. S. Colman	Traveling expenses. Typewriting and rent of machine.	26. 42 7. 74 160. 71
0.00	Jno. H. Monrad	Books Cabbage Forage	160.71
25	W.H. Lowdermilk & Co	Books	17. 35
	A. Wilson & Bro W. M. Galt & Co	Forage	8. 40 185. 10
	do		2.80
	David Pefferling do E. C. Schroeder Victor A. Norgaard.	Sheep Goats Office expenses	2, 80 27, 00
	T () Sabrandar	Goats	8.00
26	Victor A Norgaard	Traveling expenses	3.43 50.55
20	do	dodo	14.00
	A. B. Morse F. W. Hopkins	do	15, 35
	F. W. Hopkins	do	12.80 22.50
	Thos. Castor	do	22. 50
	Thos. Castor Wm. Thompson Chicago, Burlington and Quincy R. R. Co	Passenger transportation	5.35 4.68
	Pacific Telephone and Telegraph Co	Telephone services	10,00
	Ing Forhor	Passenger transportation Telephone services Horse and buggy	15.00
	Frank T. Houx	Services	15.00
	Nebraska Telephone Co	Telephone rent	10.00
	Frank T. Houx Almskog & Anderson Nebraska Telephone Co American Express Co	Services do Telephone rent Services	2. 25
	Chicago Telephone Co Pelletier Dry Goods Co Milton Hill Erickson Hardware Co	do	29.16
	Pelletier Dry Goods Co	Supplies Services, etc Stove, etc	3. 16
	Milton Hill Frielson Hardware Co	Services, etc	3. 75 29. 65
	Beach & Weld	0.0	28. 20
	Lindholm Furnishing Co	Desk	11.00
28	Erickson Hardware Co Beach & Weld Lindholm Furnishing Co Matthew Robinson Jno. C. Callahan	Traveling expenses	2.18
	Lindholm Furnishing Co. Matthew Robinson Jno. C. Callahan Geo. Carter	do	$\frac{1.62}{2.37}$
	Chas. Cowie	do	2.70
	F. L. Russell	do	52.00
	G. W. Ward Bay State Clean Towel Furnishing Co	do	13.00
	E. J. Brooks & Co	Towel supply	7. 10 425. 00
	do.	Suppliesdo	425.00
			340.00
	do	Telephone service	153.63
	New England Telephone and Telegraph Co.	Horse and buggy	13.00 40.00
	Fredk. Springman	Transportation	2.00
	dodododo New England Telephone and Telegraph Co N.P. Hinkley Fredk. Springman F. H. Phillips et al Thos. A. Bray L. J. Allen Albert Dean Bansch. & Lomb	Transportation Salaries Traveling expenses	440, 90
Mar. 1	Thos. A. Bray	Traveling expenses	72.95
	Albert Deep	Office expenses	49.35 4.84
	Bausch & Lomb	Objectives repaired	21.00
	Bausch & Lomb New York Telephone Co The Kny Scheerer Co	Office expenses Objectives repaired Telephone rent Syringes Supplies Bottles Envelopes	7.50
	The Kny Scheerer Co	Syringes	12.00
2	Bausch & Lomb Eimer & Amend Logan, Swift & Brigham Envelope Co	Supplies	112.50
	Logan, Swift & Brigham Envelope Co	Envelopes	4.30 13.80
	F. P. May & Co Z. D. Gilman M. Du Perow Rudolph, West & Co	Horse clippers, etc. Thermometers. Supplies.	2.52
	Z. D. Gilman	Thermometers	3.96
	M. Du Perow	Supplies	2.00 1.17
	Ernest Betz	do	2.60
	Ernest Betz. Henry H. Brown Mackall Bros. & Flemer.	do	1.69
	Mackall Bros. & Flemer	Vaseline	. 50
.3	Erie R. R. Co	Transportation	1.73
	Erie R. R. Co. West Shore R. R., New York Central and Hudson River R. R., lessee. Bultimore and Ohio Southwestern Rwy Co.	do	2.55
	Baltimore and Ohio Southwestern Rwy. Co	do	.72
	Vandalia Line	do.	33.31
,	Chicago and Northwestern Rwy. Co	do.	. 98
4	do do	Services	100.00
	New York Telephone Co.	Telephone rent	20. 00 12. 3 3
	Santimore and Onio Southwestern Rwy. Co. Vandalia Line. Chicago and Northwestern Rwy. Co. Geo. E. Howard do. New York Telephone Co. Bansch & Lomb Optical Co. do. J. R. Buckalew Wyckoff, Seamans & Benedict	Supplies	14.03
		do	2.59
	T. D. D. shalam	D-n-n	33.60

Date.	Name.	Nature of payment.	Total.
1898.			
far. 4	H. B. Davidson Julius Huelsen et al W. H. Rose et al H. A. Hedrick et al Geo. C. Faville et al A. G. G. Richardson et al Wm. M. Balmer et al F. W. Huntington et al R. W. Hickman et al Edwd. P. Schaffter et al Wm. Thompson Geo. C. Faville Chas. A. Schaufler et al Edwd. P. Doud et al Albert Dean et al Tooie A. Geddes A. M. Adams W. D. Jordan L. J. Allen P. I. Kershner C. H. Blemer Thos. A. Bray Dan. McCunningham W. E. Hill P. H. Mallowney Thos. L. Rice F. T. Shannon E. M. Willis Harry N. Waller et al Jno. McBirney et al A. J. Payne et al L. R. Baker et al S. Etewart et al S. Etewart et al U. G. Houk et al do. W. S. Cass et al Ira K. Atherton Jas. Irwin Chas. M. Day Postal Telegraph Cable Co Chas. Bullard et al	Rent of land	\$50.
	Julius Huelsen et al	Salaries	574.
	W. H. Rose et al.	do	958.
5	Geo C Faville et al	do	441.: 312
3	A. G. G. Richardson et al.	do	312. 667. 812.
	Wm. M. Balmer et al	do	812.
	F. W. Huntington et al	do	143.
	R. W. Hickman et al	do	1, 806.
	Wm. Thompson	do	745. 449.
	Geo C Faville	Office expenses	5.
7	Chas. A. Schaufler et al	Salaries	770.
	Edwd. P. Doud et al	do	149.
	Albert Dean et al	do	642.
	Tooie A. Geddes	Services	108.
	W. D. Lordon	do	50. 6 93. 6
	L. J. Allen	do	93.
1	P. I. Kershner	do	93.
	C. H. Blemer	do	93.
	Thos. A. Bray	do	93.
	Dan. McCunningham	do	93.
	W. E. Hill	do	93.
	Thos I. Rice	do	93. 63.
	F. T. Shannon	do	93.
	E. M. Willis	Ice	11.
8	Harry N. Waller et al	Salaries	319.
	Jno. McBirney et al	do	276.
	A. J. Payne et al.	do	233.
	S. F. Rannett et al	do	875. 2, 889.
	S. Stewart et al	do	2, 151.
-	U. G. Houk et al	do	318.
	do	Traveling expenses	8.
-	W. S. Cass et al	Salaries	504.
	Ira K. Atherton	Services	93.
1	Jas. 1rwin.	do	77.8
1	Postal Telegraph Cable Co	Telegraph services	93.4
9	Chas. Bullard et al	Salaries	4. 1 1, 274. 3
	N. P. Hinkley et al	do	818. 2
	L. K. Green et al	do	1, 267. 8
	W. D. Robbins et al	do	133.
	J. F. Shiarmann et al	do	1, 416. 6 126. 0
1	T. W. Oshell et al.	do	163.4
	Joshua Miller et al.	do	205.4
	Jno. Forbes et al	do	533, 6
1	A. G. G. Richardson et al.	do	356, 8
10	Geo. Ditewig et al	do	233.
10	Jas. Irwin Chas. M. Day Postal Telegraph Cable Co Chas. Bullard et al N. P. Hinkley et al L. K. Green et al W. D. Robbins et al J. J. Brougham et al J. F. Shiermann et al J. F. Shiermann et al Joshua Miller et al Joshua Miller et al Geo. Ditewig et al Clark E. Bone et al C. F. Dawson E. S. Schmid A. Wilson & Bro.	Traveling expenses	1, 826, 0 13. 9
	E. S. Schmid	Guinea pigs.	10.0
	A. Wilson & Bro.	Cabbage .	7. 8
	R. P. Clark	Towels	19. 2
- 1	Z. D. Gilman	Forceps, etc. Electric current.	20.0
	United States Electric Lighting Co	Electric current	5.4
11	F M Porry	Lithographing	231. 2
-11	Chas. Cowie	dodo	64. (
1	G. W. Ward	do	25. (85. (
	Reni S Paddock et al	Salarias	359.4
	E. Balzer et al. Henry Alvord W. B. Gibbs et al.	do	4 790 3
10	Henry Alvord	Services	106.7
12	W. B. G1008 et al	Salaries	219.4
	O. B. Hess et al	do	1, 083. 0 360. 8
-	Jno. R. Mohler et al	do	1, 431. 9
	S.L. Brooking et al O. B. Hess et al Jno. R. Mohler et al W. S. Devoe et al	do	6, 962 8
	A. D. MOTSE	Services	6, 962. 8 108. 8
	F. D. De Wolf	Office expenses Traveling expenses	46. 6
	Danl. D. Lee	Office expenses	1.4
14	E. A. de Schweinitz	Traveling expenses	20.0
14	Archi. McBride et al A. E. Behnke et al Geo. S. Baker et al		442.1 1,414.4

100 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898.			
ar. 14	Don C. Ayer et al.	Salaries	\$2, 400.
	Lowell Clarke et al. C. L. Morin F. M. Hunter	do	1, 121. 20.
	C. L. Morin	Services	20.
	J. F. Ryder	do	77. 155.
	J. F. Ryder W. H. Wray. W. E. Stoner Matthew Robinson J. M. Turner C. L. Morin J. F. Ryder Atchison, Topeka and Santa Fe R. R. Co. W. H. Wray. Wabash R. R. Co Galveston, Harrisburg and San Antonio Rwy	do	350.
	W. E. Stoner	Traveling expenses	2.
	Matthew Robinson	do	2.
	J. M. Turner	do	3.
	C. L. Morin		3. 45.
	Atchison Toneka and Santa Fe R R. Co	Passenger transportation	45. 35.
	W. H. Wray	Traveling expenses	10.
	Wabash R. R. Co	Passenger transportation	5.
	Galveston, Harrisburg and San Antonio Rwy International and Great Northern R. R. Co Pittsburg, Cincinnati, Chicago and St. Louis	do	30.
	International and Great Northern R. R. Co	do	4.
	Pittsburg, Cincinnati, Chicago and St. Louis	do	16.
	Rwy. Co. New York, New Haven and Hartford R. R.	do	12.
15	Co. Morris Wooden et al	Salaries	1, 165.
15	T. A. Shipley et al	do	490.
	T. J. Turner et al	do	941.
	N. Van Norstrand	Broken stone	19.
16	F. L. Russell	Services	32.
	Morris Wooden et al T. A. Shipley et al T. J. Turner et al N. Van Norstrand F. L. Russell do A. G. G. Richardson Geo. Carter Jno. C. Callahan Julius Huelsen F. M. Perry G. W. Ward	Traveling expenses	16.
	A. G. G. Kicharuson	do	36. 2.
	Ino C Callahan	do	1.
	Julius Huelsen	do	7.
	F. M. Perry	do	7. 16.
	G. W. Ward D. R. Way Jno, McBirney G. S. Baker	do	16
	D. R. Way	do	60.
	Jno. McBirney	do	38. 15.
			15. 15.
	R. P. Steddom W. S. Cass W. E. Hill	do	6.
	W. S. Cass	do	2.
	W. E. Hill	do	2.
	Albert Dean	do	25.
	C. M. Day	do	58.
	E. J. Brooks & Co	Supplies	76. 357.
	do	do	108.
	Chas. O. Brockway	do	21.
	do	do	20.
	do	do	21.
17	Thos. Coyle	Traveling expenses	23.
	Den McCunningham	do	4. 26.
	Wm C Hopen	do	18.
	A. G. G. Richardson	Office expenses	1.
	W. E. Hill Albert Dean C. M. Day. E. J. Brooks & Co Dennison Manufacturing Codo Chas. O. Brockwaydodo Thos. Coyle Geo. Grafton Dan. McCunningham Wm. C. Honan A. G. G. Richardson Chas. A. Schauffer	do	4.
	A. G. G. Richardson Chas. A. Schaufler H. A. Hedrick Julius Huelsen S. L. Brooking T. A. Shipley L. R. Baker A. J. Payne Harry N. Waller J. J. Brougham Geo. S. Baker E. P. Schaffter Thos. J. Turner W. S. Cass.	do	3.
	Julius Huelsen	do	3.
	S. L. Brooking		3. 7.
	L. R. Baker	do	
	A. J. Payne	do	1.
	Harry N. Waller	do	1.
	J.J. Brougham	do	2.
	Geo. S. Baker	do	1.
	Thes I Turner	do	1. 5.
	W. S. Cass	do	2.
	W. S. Cass. West Shore R. R., New York Central and Hudson River R. R., lessee. Wabash R. R. Co E. N. Hutchinson et al	Transportation	1.
	Hudson River R. R., lessee.		1.
	Wabash R. R. Co	do :	43.
18	E. N. Hutchinson et al	SalariesOffice expenses	201.
	W. D. Robbins	Office expenses	1. 2. 3.
	W.U. Barth	do	2.
	Don C. Aver	do	3. 4.
	W. S. Devoe	do	4. 5.
	E. N. Hutchinson et al W. D. Robbins W. C. Barth S. E. Bennett Don C. Ayer W. S. Devoe A. E. Behnke W. S. Rose N. P. Hinkley Frank Brown	do	22.
	W. S. Rose	do	10.
			10.

ate.	Name.	Nature of payment.	Total
98.			
. 19	Wm. Thompson	Office expenses	\$19
	Walter J. Stewart	Traveling expenses	14
	Frank L. De Wolf	do	40
	Walter J. Stewart. Frank L. De Wolf. J. Anderson	do Repairing scissors. Tables and mirror Chairs Broom, etc	4
	J. Matershame. Jones & Luberger. J. W. Timmer Wyandotte Gas Co. Bay State Clean Towel Co	Tables and mirror	15
	Jones & Luberger	Chairs	. 12
	J. W. Timmer	Broom, etc	. 3
	W yandotte Gas Co	Gas	. 5
21	Paglara' National Pank	Office rent	50
21	Rolt P. P. Stook Vorde Co.	do do	10
	St. Louis National Stock Vards Co.	do	29
	G. W. Tourtellott	do	45
	St. Joseph Stock Vards Co	do	12
	B. P. Oliver	do	20
	Union Stock Yard and Transit Co	do	15
	Gahn & Byrne	do	225
	Kansas City Stock Yards Co	do	15
- 3	Evans Laundry Co	Towel supply	7
- 0	R.S. McCurdy	do	7 17
1	Washington Gaslight Co	Gas	17
	W. H. Lowdermilk & Co	Books	4
- 7	Armour & Co	Supplies	6
	J. W. Himmer Wyandotte Gas Co. Bay State Clean Towel Co Packers' National Bank. Belt R. R. Stock Yards Co. St. Louis National Stock Yards Co. G. W. Tourtellott St. Joseph Stock Yards Co B. P. Oliver Union Stock Yard and Transit Co. Gahn & Byrne Kansas City Stock Yards Co. Exans Laundry Co. Exans Laundry Co. R.S. McCurdy Washington Gaslight Co. W. H. Lowdermilk & Co. Armour & Co. do. C. H. Hanson.	do	6
	C. M. Hanson	do	
	C. H. Hanson G. N. Shuster Jno. Schroeder	Baskets	1
	Jno. Senroeger	Lantern	1
	Rand, McNally & Co "The Consumers' Co E. A. Con way Coal Co A. M. Rothschilds & Co	Ink, etc	4
	E A Copway Cool Co	Ice	5
	A. W. Pothschilds & Co.	Coal	8
	Doggett Dry Goods Co	Oileloth	4
	James Sullivan	Cool	6
	L. Berger	Hauling	4
	Jno. Haberle	Coal Hauling Repairs to lock boxes.	4
	Nebraska Telephone Co	Services	4
	Pacific Telephone and Telegraph Co	do	10
	Doggett Dry Goods Co James Sullivan L. Berger Jno. Haberle Nebraska Telephone Co. Pacific Telephone and Telegraph Co Chicago Telephone Co A. E. Behnke. Jno. Forbes	Hire horse and buggy	29
	A. E. Behnke	Hire horse and buggy	29 25
1	Jno. Forbes	do	15
	O. B. Hess	do	30
1	O.B. Hess O.J. Lanigan O.E. Dyson	Hire horse	15
	O. E. Dyson		15
	Marshall & Hawley. Adams Express Co.	Hire horse and buggy	53
	Adams Express Co	Transportation	7 11 45
	Office Toilet Supply Co	Towala	11
22	W P Moses & Sons	Office furniture	59
	The Grant Manufacturing Co	Dieke	5
	Mackall Bros & Flemer	Supplies	39
	do	Disks Suppliesdo	32 35
	F. P. May & Co	do	1
	Adams Express Co. do. do. Office Toilet Supply Co W. B. Moses & Sons The Grant Manufacturing Co. Mackall Bros. & Flemer do. F. P. May & Co. Western Union Telegraph Co. Johnson Bros N. R. Gill	Telegraph services Coal Office rent	î
	Johnson Bros	Coal	101
23	N. R. Gill	Office rent	10
	B. H. Adams Jas. Stikeman J. A. Turner & Co Jos. F. Dean Fort Parklet Line Stock Forther Co	do	40
	Jas. Stikeman,	do	41
	J. A. Turner & Co	do	12
	Jos. F. Dean	do	40
	East Dunalo Live Stock Exchange Co		30
	Morris Wooden	Traveling expenses	46 13
	New England Telephone and Telegraph Co.	Telephone services	13
	Fred Hawley	Cards, etc.	13
	G E Stachart	Boxes	19
	Logan Swift & Brigham Envelope Co	Envelopes	$\frac{2}{21}$
	Chadwick Conving Book Co	Books Envelopes Copying books	.27
	J. L. Gilbert & Bro	Pad hoxes	15
	J. Ottmann	Lithographing	206
	The J. F. W. Dorman Co	Stamp pads	200
	New England Telephone and Telegraph Co- Library Bureau Fred Hawley G. E. Stechert Logan, Swift & Brigham Envelope Co. Chadwick Copying Book Co J. L. Gilbert & Bro J. Ottmann The J. F. W. Dorman Co Chas. O. Brockway N. P. Hinkley Edw. P. Dowd Albert Dean	Pad boxes Lithographing Stamp pads Tags Hire horse and buggy	100
	N. P. Hinkley	Hire horse and buggy	40
	Edw. P. Dowd	Ink	1
	Albert Dean	Ink Office expenses	$\frac{1}{2}$
24	Baltimore and Ohio R. R. Co. Chicago and Northwestern Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Pennsylvania R. R. Co	Passenger transportation	16
	Chicago and Northwestern Rwy. Co	do	19 21
	Cleveland, Cincinnati, Chicago and St.	do	21
	Louis Rwy Co		

Date.	Name.	Nature of payment.	Total
1898.			
1ar. 24	Fremont, Elkhorn and Missonri Valley R.R.	Passenger transportation	\$3
	Co. Terre Haute and Indianapolis R. R. Co	do:	. 9
	The Missouri Pacific Rwy. Co. International Navigation Co. Chicago and Northwestern Rwy. Co.	do	7
	International Navigation Co	do	7 77 30
	Danenhower & Co		608
25	Danenhower & Co. Joshua Miller	Office expenses	2
	Archie McBride	do	1
	Thos. L. Rice	Traveling expenses	33 1
26 30	Edw. S. Schmid Thos. A. Bray	Prepared feed	38
30	C. H. Blemer	Traveling expensesdo	9
	C. H. Blemer H. B. Adair	do do	2
	W.J. Stewart	do	6
	W. J. Hardestine	do	10
	Danenhower & Co	Bran. etc	90
31	Bertha L. Diller Danenhower & Co. Geo. F. Thompson et al.	Services Bran, etc Salaries	90 786
	Total third quarter		173, 508
pr. 1	Benj. Hawes	Traveling expenses	6
	C W Stiles	do	9
	V. A. Norgaard D. E. Salmon Union Stock, Yards and Transit Co	do	26
	D. E. Salmon	do	57 57
	Union Stock Yards and Transit Co	Office rent	15
		Supplies	19
3	C. O. Brockway Wm. E. Pratt do	Hog rings	514 8
	do	Hog ringers	
	H. C. Underwood	Supplies	19
	The J. H. North Furniture and Carpet Co Scarrit, Comstock Furniture Co	Office furniture	10
	E. J. Brooks & Co	Seals and wire	60 510
	do	Felt pad	2
	Logan, Swift & Brigham Envelope Co	Envelopes	28
	New York Telephone Codo	Telephone rent	12
2	Geo F Muth & Co	Kerosene oil, etc	8
2	Geo. F. Muth & Co W. B. Moses & Sons	Office furniture	73
	The Lewis Hax Furniture Co	Window shades	60
1	Pelletier Dry Goods Co	Window shades	5 19
	Thomas Manufacturing Co	Illustrations for bulletins	71
	Allegheny Co	Supplies	24 49
	H. C. Jones. Thomas Manufacturing Co. Allegheny Co Galveston, Harrisburg and San Antonio Rwy. Co.		
	Southern Pacific Co	do	46 24
	Wm R Heck	Traveling expenses	3
	do. Wm. R. Heck Frank T. Shannon	do	3 11
			35
5	Wm. D. Jordon W. H. Rose et al. Julius Huelsen et al.	Salaries	18 1, 020
0	Julius Huelsen et al	do	635
			489
	H. N. Waller et al	do	332 120
6	A. D. Melvin	Traveling expenses	18
ŭ	Rudolph, West & Co	Spades, etc	3
	H. A. Hedrick et al. H. N. Waller et al. T. A. Geddes et al. A. D. Melvin Rudolph, West & Co. do. United States Express Co.	Hammers	36
	United States Express Codo	Transportationdo	10 13
7	H. B. Davison F. W. Huntington et al. Chas. Bullard et al Albert Dean et al E. P. Dowd et al	Office rent	50
	F. W. Huntington et al.	Salaries	159
	Albert Deep et al	do	1, 340 594
	E. P. Dowd et al	do	165
	Geo. P. Faville et al	do	165 346
	E. P. Dowd et al Geo. P. Faville et al R. W. Hickman et al C. A. Schauffer et al R. P. Steddom Thos. L. Rice Dan. McCunningham F. C. Eells P. H. Mallowney	do	1.989
	C. A. Schautter et al	Sarvices	855 103
	Thos. L. Rice	do	103 103
	Dan. McCunningham	do	103. 103.
		a.	109

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 7	W. E. Hill	Services	\$103.30
	L. J. Allen P. I. Kershner	do	103, 30 103, 30
	T. T. Shannon T. A. Bray C. H. Blemer Wm. D. Jorden	do	103. 30
	T. A. Brav	do	103, 30
	C. H. Blemer	do	103.30 103.30
	Wm. D. Jorden	do	103. 30
	A. M. Adams	do	103.30 103.30
8	Archibald McBride et al	Salaries	511.44
· ·	Geo. Ditewig et al	do	511.44 258.30
	Benj. S. Paddock et al	do	397. 80
	C. H. Zink et al.	do	366. 80
	Wn A Heek et al	do	269. 60 418. 67
	E. P. Schaffter et al.	do	925. 80
	A. G. G. Richardson et al	do	644.33
	Wm. M. Balmer et al	do	1, 167, 50
	H. H. Brown	Film	6.00
	Wm M Golf & Co	Oats	4. 46 2. 80
	Will. D. Jottell A. M. Adams Geo. A. Bond Archibald McBride et al Geo. Ditewig et al Benj. S. Paddock et al C. H. Zink et al Jno. McBirney et al Jno. McBirney et al Wm. A. Heck et al E. P. Schafiter et al A. G. G. Richardson et al Wm. M. Balmer et al H. H. Brown United States Electric Lighting Co Wm. M. Galt & Co J. T. Walker & Sons C. M. Day W. D. Robbins I. K. Atherton Jas. Irwin	Lime	3.75
}	· C. M. Day	Services	103.30
	W. D. Robbins	do	103.30
	I. K. Atherton	do	103.30
	E. A. de Schweinitz	Office expenses	86. 10 24. 05
	I. K. Atherton Jas. Irwin E. A. de Schweinitz D. E. Salmon E. P. Schaffter Ida B. Martin U. G. Hogek et al C. C. Bone et al W. S. Devoe et al W. S. Cass et al E. Balger et al	Traveling expenses	12.50
	E. P. Schaffter	do	94 40
J	Ida B. Martin	do	5.50 465.20 2,060.00 7,929.18
9	C. C. Pope et al	Salaries	465.20
9	W S Devoe et al	do	7 929.18
11	W. S. Cass et al.	do	563. 10
	E. Balzer et al	do	563. 10 5, 254. 69
1	E. M. Willis.	Ice	14. 21
1	Washington Caslight Co	Cabbage	14. 21 8. 75 18. 20
12	Lowell Clarke et al.	Salaries	1 300 63
1	S. E. Bennett et al	do	3, 346, 29 1, 640, 20 1, 259, 83 533, 80
	J. J. Brougham et al	do	1,640,20
	Wm. Thompson et al.	do	1, 209, 83
	W. H. Gibbs et al.	do	240, 80
	E. N. Hutchinson et al	do	225, 30 258, 30
	A. J. Payne et al	do	258. 30
13	Tro P Wohler et al	do	168.30
10	A E Behnke et al	do	1,559.03
	Don C. Ayer et al	do	1, 609, 43 2, 943, 86 2, 388, 84
	S. Stewart et al	do	2, 388, 84
14	N. P. Hinkley et al	do	898. 60 1, 436. 13
	F I. De Wolf et al	do	596.89
	Thos. Castor et al	do	1, 218. 83
	Joshua Miller et al	do	507.49
	W. S. Devoe et al W. S. Cass et al E. Balzer et al E. M. Willis A. Wilson & Bro Washington Gaslight Co Lowell Clarke et al S. E. Bennett et al S. E. Bennett et al J. J. Broughamet al S. S. Brooking et al Wm. Thompson et al Wm. Thompson et al E. N. Hutchinson et al E. N. Hutchinson et al A. J. Payne et al T. W. Oshel et al Jno. R. Mohler et al A. E. Behnke et al Don C. Ayer et al S. Stewart et al N. P. Hinkley et al L. K. Green et al Th. C. De Wolfet al Thos. Castor et al Joshua Miller et al G. W. Ward C. L. Morin Chas. Cowie Jno. A. Bell. F. L. De Wolfet Jno. A. Bell. F. L. Russell	Services	50.00
	Chas Cowie	do	64.00 30.00
	Jno. A. Bell.	do	40.00
	F. L. Russell.	do	48.00
	F. M. Perry	do	88.00
	Jno. A. Bell F. L. Russell F. M. Perry C. L. Morin Jno. A. Bell B. P. Wende	Traveling expenses	6.15
	B. P. Wende	do	10. 02 2. 75
	S. R. Griffin	do	5. 35
	W. S. Cass	do	2.70
	Jno. McBirney	do	46.00
. 1	Jno. A. Bell B. P. Wende S. R. Griffin W. S. Cass Jno. McBirney C. H. Blemer Albert Dean W. H. Wray C. F. Hale	do	42.10
	W. H. Wray	Office expenses	31.10 18.77
	C. F. Hale	Office expenses Fire extinguishers	18.77 75.00
	C. R. Edmonston	Tubes, buckets, pots, etc	18.18
	The Chesapeake and Potomac Telephone Co.	Telephone service	25.00
15	W D Owen		
15	W. D. Owen	Laws of Indiana	1.10
15	C. R. Edmonston The Chesapeake and Potomac Telephone Co W. D. Owen Eimer & Amend Bausch & Lomb Optical Co Arthur B. Morse	Laws of Indiana Parchment paper Incubator	1. 10 2. 00 152. 00

104 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

BUREAU C	OF ANIMAL	INDUSTRY-Continued.
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Date.	Name.	Nature of payment.	Total.
1898.			
pr.	R. H. Treacy W. C. Honan Geo. Carter J. C. Callahan D. R. Way F. T. Shannon Wm. D. Jorden Geo. Grafton S. E. Bennett Ira K. Atherton A. J. Payne Julius Huelsen W. S. Cass R. W. Hickman Chas. Keane	Services	\$66.
	W. C. Honan	Traveling expenses	24.
	Geo. Carter	do	24 2. 1.
	J. C. Callahan	do	1.
	D. R. Way	do	62.
	Wm D Jorden	do	19.
	Geo Grafton	Office expenses	48
	S. E. Bennett	do	4
	Ira K. Atherton	do	1
	A. J. Payne	do	2
	Julius Huelsen	do	3
	W. S. Cass	do	2
	R. W. Hickman	do	1
	Chas. Keane. W. D. Robbins H. A. Hedrick	do	2
	W. D. Robbins	do	2
	H. A. Hedrick	do	2
	Jno. Forbes	do	7
	W.H.KOSE	00	21
	W. H. Rose A. G. G. Richardson C. A. Schaufler	do	9
	A. E. Behnke	do	28
	Don C. Aver.	do	26
	Thos. J. Turner	do	5
	A. E. Behnke Don C. Ayer Thos. J. Turner Thos. Binnix The Grant Manufacturing Co Adams Expressdo T. A. Shipley et al Chas. Keane et al Jun. Forbes et al	Covering table with lead	8
	The Grant Manufacturing Co	Disks	5
	Adams Express	Transportation	18
	do	do	49
18	T. A. Shipley et al.	Salaries	899 124
	Chas. Keane et al	do	124
	Jno. Forbes et al	do	635
	L. K. Baker et al.	00	635 969 1, 077
	T.J. Turner et al	Office ownerses	1,077
	I. B. Balzar	do do	18
	Missouri Pacific Rwy Co	Passenger transportation	2
	International and Great Northern R. R. Co.	do	g
	Southern Rwy. Co	do	9 15
	Chicago, Rock Island, and Pacific Rwy, Co	do	11
19	O. B. Hess et al	Salaries	390
	Jno. Forbes et al L. R. Baker et al T. J. Turner et al T. A. Shipley L. R. Baker Missouri Pacific Rwy. Co. International and Great Northern R. R. Co. Southern Rwy. Co Chicago, Rock Island, and Pacific Rwy. Co O. B. Hess et al Geo. S. Baker et al R. P. Steddom Matthew Robinson Wm. A. Rushworth	do	726 112
	R. P. Steddom	Traveling expenses	112
	Matthew Robinson	do	1
	Wm. A. Rushworth	do	1
	W. E. Stoner Julius Huelsen Jos. M. Turner		3
	Junus Huersen	do ,	4
	Goo S Roker	do	17
	Geo W Ward	do	1,0
	F. L. Russell	do	32
	F. M. Perry	do	18
	J. F. Ryder	do	4.5
	W. H. Wray	do	11 11 387
	do	do	11
	Jos. M. Turner Geo. S. Baker Geo. W. Ward F. L. Russell F. M. Perry J. F. Ryder W. H. Wray do do E. M. Hunton	Services	387
			96
			172 51 8
	Anna B. Armstrong Joshua Miller Jas. J. Brougham	000	51
	Joshua Miller	Office expenses,	11
	Guo S Bakar	do	11
	Thomas Manufacturing Co	Supplies	18 600
	Dennison Manufacturing Co	do	600
	Geo. S. Baker Thomas Manufacturing Co. Dennison Manufacturing Co. Chas. O. Brockway R. S. McCurdy. Jas. Sullivan	do	483
	R. S. McCurdy	Towels	20
	Jas. Sullivan	Coal	6
	J. W. Timmer Wyandotte Gas Co.	Broom, matches, etc	1
	Wyandotte Gas Co	Gas	3
			1
	W. F. Kirkpatrick Co	Clock Hire horse and buggy	5 25
	A. E. Behnke	Hire horse and buggy	25
	W. F. Kirkpatrick Co A. E. Behnke C. A. Phillips Pacific Telephone and Telegraph Co Chicago Car Seal and Manufacturing Co	Copy press Telephone rent	5
	Chicago Con Sool and Manufacturing Co.	Supplies	10 20
	O. I. Lanigan	Supplies Hire saddle horse Telephone service	20 15
	O. J. Lanigan Chicago Telephone Co	Telephone service	29
	O. E. Dyson Hardy Furniture Co.	Hire saddle horse	15
		ALAIO GUUUIU HUIGU	4

ate.	Name.	Nature of payment.	Total.
898.			
r. 19	Nebraska Telephone Co. Edison Electric Illuminating Co. The Bell Telephone Co. New England Telephone and Telegraph Co. Boston Gas Light Co.	Telephone rent	\$4.
	Edison Electric Illuminating Co	Electric light Telephone service do	3. (
	Edison Electric Huminating Co The Bell Telephone Co New England Telephone and Telegraph Co Boston Gas Light Co O. B. Hess Chesapeake and Potomac Telephone Co Jno. L. Crawford Frank C. Eells Jno. C. Parker G. W. Tourtellot Gahan & Byrne Union Stock Yard and Transit Co Packers National Bank B. P. Oliver St. Louis National Stock Yards Co Belt R. R. Stock Yards Co Kansas City Stock Yards Co St. Joseph Stock Yards Co J. S. Ford Johnson Co Jno. Schroeder The Consumers' Co Jas. Stewart Chicago Stove and Office Furniture Co J. Haberle	Telephone service	40.0
- 1	Roston Gas Light Co.	Gas	13. 0 7. 7
- 3	O. B. Hess	Hire horse and buggy	30.0
	Chesapeake and Potomac Telephone Co	Telephone rent	19.
2	Jno. L. Crawford	Copying laws for report	1, 5
20	Frank C. Eells	Traveling expenses	1. 2 20.
	Jno. C. Parker	Supplies	86.
21	G. W. Tourtellot	Office rent	45. (
	Gahan & Byrne	do	225. (15. (
	Union Stock Yard and Transit Co	do	15.0
	Packers National Bank	00	50.0
	St. Louis Votional Stool: Vanda Co	do	20. (75. (
	Relt P P Stock Verde Co	do	10, 0
	Kansas City Stock Yards Co	do	15.
9	St. Joseph Stock Yards Co	do	12.
	J. S. Ford Johnson Co	Chairs	43.
	Jno. Schroeder	Handsaws, etc	2.
	The Consumers' Co	Ice	2. 6.
	Jas. Stewart	Services and supplies	2.0
	Chicago Stove and Office Furniture Co	Tables. Repairing lock boxes Books for tags. Ink, etc	65.0
	J. Haberle	Repairing lock boxes	9. (
	W. H. Creed	Books for tags	10.0
- 9	Rand, McNally & Co	Ink, etc	2.
J.	Chicago Stove and Office Furniture Co J. Haberle W. H. Creed Rand, McNally & Co E. A. Conway Coal Co Jno. Forbes Cleary Bros	Coal	8.
- 1	Cleany Pres	Hire horse and buggy	15.0 25.0
	Marshall & Hawley	Saddle horse and horse and huggy	53. (
	Cleary Bros Marshall & Hawley Electric Towel Supply Co. Evans Laundry Co. Office Tollet Supply Co. Combe Printing Co. W. E. Pratt Lava Telephone Co.	Hire norse and wagon Saddle horse and horse and buggy. Towel supply do do Record books	2. 8
	Evans Laundry Co.	do	8.0
	Office Toilet Supply Co.	do	54.
	Combe Printing Co	Record books	10.
	W. E. Pratt	Hog ringers	. 4
	Iowa Telephone Co	Telephone service	6.6
	Thos. Beynon	Passenger transportation	15.0
22	Iowa Telephone Co Thos. Beynon Dan Cunningham	Traveling expenses	66.
	Geo. A. Bond. E. C. Schroeder. San Antonio and Aransas Pass Rwy. Co	Office expenses	14.
	E. C. Schroeder	Office expenses	4.7
	Geo, E. Howard	Passenger transportation. Illustrations for Dairy Division Lumber	4.
	Geo. A. Shehan	Inustrations for Dairy Division	60.0
	Hugh Reilly	Supplies	24. 0
	Hugh Reilly Ernest Betz S. P. Johnson	Conner steam bath	46.
	S. P. Johnson	Typewriter	85 !
	F. B. Nichols & Co	Pencil sharpener	85. 2. 2.
	Z. D. Gilman	Scissors	61.
	Mackall Bros. & Flemer	Supplies	7.3
	Z. D. Gilman Mackall Bros. & Flemerdo	Flour of sulphur	5.9
	do	Beakers	4.9
	Geo. F. Muth & Co Rudolph, West & Co. do	White lead, etc	28.
	Rudolph, West & Co	Wire netting	75.9
	do	Lumber Supplies Copper steam bath Typewriter Pencil sharpener Scissors Supplies Flour of sulphur Beakers White lead, etc Wire netting Nail hinges Padlocks Revolvers	37. 3 12. 7 9. 5
	do	Revolvers	12.
	do	Supplies	9.
23	do N. R. Gill J. A. Turner & Co	Supplies Office rentdo	7.1 10.4
	J. A. Turner & Co	do	12.0
	B. H. Adams	do	40.
	Jas. Stikeman	do	41. 6
	Jas. Stikeman Jos. F. Dean The East Buffalo Live Stock Exchange Co.	do	40.0
	The East Buffalo Live Stock Exchange Co	Expenses.	30.0
	A. G. G. Richardson	Expenses	20.3
		Lock boxes	140.4
	C. S. Braisted.	Lock boxes. Supplies. Compressor glasses. Twine	2. 6
	E.J. Brooks & Co.	Compressor glasses	184. 3
	N P Hipkley	Twine	9. 5
	Z. D. Gilman C. S. Braisted E. J. Brooks & Co Jno. P. Nawrath N. P. Hinkley Bay State Clean Towel Furnishing Co Chas. M. Day L. J. Allen Alleet Dean	Hire horse and buggy Towel supply Traveling expensesdo	40.0
25	Chas M Day	Troveling expenses	6. 0 68. 7 59. 7
20	L. J. Allen	do do	50.5
	Albert Dean	Office expenses	59.7
	W. S. Devoe Wm. Thompson J. Ottmann Lithograph Co United States Express Co	Once expenses	7. 7
	Wm. Thompson	do	19. 0
	J. Ottmann Lithograph Co	do Oithographing Transportation	462. 5
		S. aparing	4.5

Date.	Name.	Nature of payment.	Total
1898.			
pr. 28	Chicago, Milwaukee and St. Paul Rwy. Co	Passenger transportation	\$12
.pr. 20	Chicago, Milwankee and St. Paul Rwy. Co. Missouri, Kansas and Texas Rwy. Co. New York, New Haven and Hartford R. R. Co. Boston and Albany R. R. Co. Jno. McBirney et aldodo D. R. Way Fredk. Braginton Chicago Car Seal and Manufacturing Co. Georgetown and Tennallytown Rwy. Co. Capital Traction Co. Geo. A. Shehan. W. B. Moses & Sons N. P. Hinkley.	do	16
	New York, New Haven and Hartford R.R.Co.	do	16 12
	Boston and Albany R. R. Co	do	4
29	Jno. McBirney et al	Salaries	157
	do	Traveling expenses	26
	D. D. W	do	$\frac{12}{28}$
	D. R. Way	do	28 6
	Chicago Cor Soal and Manufacturing Co	Tip hoves	14
	Georgetown and Tennallytown Rwy Co	Street.cor tickets	10
	Capital Traction Co	do	10
	Geo. A. Shehan	Supplies	4
	W. B. Moses & Sons	Office furniture	4 27
30	N. P. Hinkley	Office expenses Traveling expenses Pencils Telephone rent	9
	Benj. Howes	Traveling expenses	7 25
	C. S. Braisted	Pencils	25
	New York Telephone Co	Telephone rent	12
	Geo. F. Thompson et al	Salaries	913
ay 2	Lue Grant Manufacturing Co	Disks Traveling expenses	25 1
3	N. F. Hinkley Benj, Howes C. S. Braisted New York Telephone Co Geo. F. Thompson et al. The Grant Manufacturing Co Louise Tayler H. F. Miller & Son Library Rurean	Supplies	11
	Library Rureau	Oak cases	40
	Bausch & Lomb Ontical Co	Supplies	14
	Library Bureau Bauseb & Lomb Optical Co H. H. Brown J. Bell Bigger	Supplies Oak cases. Supplies do Certificates to copies of acts of	1
4	J. Bell Bigger	Certificates to copies of acts of	3
		virginia assembly.	
	Wallblom Furniture and Carpet Co	Office furniture	32
	Wallblom Furniture and Carpet Co. F. P. May & Co. D. R. Way. A. R. Wake. Pennsylvania R. R. Co. do. Cleveland, Cincinnati, Chicago and St. Louis R. R. Co.	Picks	4
	D. R. Way	Traveling expenses	
	A. R. Wake	do	14
	Pennsylvania R. R. Co	Passenger transportation	66
	Classical Circinati Chicago and Ct Torio		10
	R. R. Co.		
	Baltimore and Ohio Southwestern Rwy. Co	do	
	Vandalia Line	do	
	Star Union Line	do	
	Chicago, Milwaukee and St. Paul Rwy, Co	do	35
	do	do	1
5	Julius Huelsen et al	Salaries	608 156
	E. P. Dowd et al.	do	156
	W. H. Rose et al.	do	955
	H. A. Hedrick et al.	do	468 108 76
	Z D Cilmon et al	Coivena	76
	Mackell Bros & Flower	Scissors	10
6	A G C Richardson at al	Salarias	819
0	F. W. Huntington et al.	do	812 150
	E. P. Schaffter et al.	do	880
	T. A. Geddes	Services	131
	C. M. Day	do	98
7	Geo. Ditewig et al	Salaries	247 761
	R. R. Co. Baltimore and Ohio Southwestern Rwy. Co. Vandalia Line. Star Union Line Chicago, Milwaukee and St. Paul Rwy. Co. do. Julius Huelsen et al. E. P. Dowd et al. W. H. Rose et al. H. A. Hedrick et al. Fredk. Braginton et al Z. D. Gilman et al Mackall Bros. & Flemer. A. G. G. Richardson et al E. P. Schaffter et al. E. P. Schaffter et al. E. P. Schaffter et al. T. A. Geddes C. M. Day Geo. Ditewig et al Wm. M. Balmer et al T. A. Shipley et al Morris Wooden et al R. W. Hickman et al A. J. Payne et al A. J. Payne et al W. S. Cass et al C. A. Schaufferet al E. M. Willis Washington Gaslight Co. W. H. Baker et al W. S. Devoe et al The Grant Manufacturing Co	do	761
	T. A. Shipley et al.	do	949
	Morris Wooden et al	do	1, 708 1, 896 306 489
9	A. I. Payro et al	00	1, 590
9	Archibald McBride et al	do	490
	W S Cose et al	dodo	623
	C A Schauffer et al	do	818
	E. M. Willis	Tee	818 14
	Washington Gaslight Co	Gas	18
	W. H. Baker et al	Salaries	2,006 7,740
	W. S. Devoe et al	Disks. Refrigerator Guinea pigs	7, 740
17	The Grant Manufacturing Co	Disks	. 8
	W R Masse & Sons	Refrigerator	51
	E. S. Schmid	Guinea pigs	12
	E. S. Schmid. W. M. Galt & Co. Mackall Bros. & Flemer.	Uats	2 26
	Parker & Page	Oats Supplies Knives, buckets, etc	26.
	Barber & Ross United States Electric Lighting Co	Electric current	4
	Rudolph West & Co	Padlock etc	16
4	Rudolph, West & Co S. P. Johnson G. W. Ward F. L. Russell	Padlock, etc Typewriter Services	87
18	G. W. Ward	Services	16 87. 70.
	73 7 73	do	48.
	Jno. A. Bell C. L. Morin		16.

te.	Name.	Nature of payment.	Total
98.			
18	Chas, Cowie. F. M. Perry P. I. Kershner. Thos, A. Bray. Geo. A. Bond Jas, Irwin Chas, H. Blemer. Dan McCunningham A. B. Morse A. M. Adams W. E. Hill B. P. Steddom	Services	\$25
	F. M. Perry	do	104 3 98
	The A Brow	do	98
	Geo. A. Bond	do	98
- 6	Jas. Irwin.	do	82
	Chas, H. Blemer	do	115 98
	Dan McCunningham	do	98
	A. B. Morse	do	115 98
	A. M. Adams	00	98
	W. E. Hill R. P. Steddom P. H. Mullowney Frank T. Shannon W. D. Jorden W. N. D. Bird T. L. Rice	do	98
	P. H. Mullownev	do	98
	Frank T. Shannon	do	98
	W. D. Jorden	do	98
	W. N. D. Bird	do	74 98
	T. L. Rice	do	98 98
	T. L. Rice Frank C. Eells. F. L. Russell L. J. Allen Geo. C. Moser Jno. A. Bell	Traveling avnenses	31
	L. J. Allen	Services	98
	Geo, C. Moser	do	98
	Jno. A. Bell	Traveling expenses	3 23
	P. I. Kershner	do	23
	Chas. H. Blemer	do	55 2 22
	W. S. Cass	do	99
	F. I. Kersnier Chas. H. Blemer W. S. Cass W. E. Hill P. H. Mullowney Wm. D. Jorden W. N. D. Bird T. L. Rice	do	48
	Wm. D. Jorden	do	65
	W. N. D. Bird	do	3
	T. L. Rice	do	9
	L. J. Allen Geo. C. Moser W. S. Cass Benj. Howes. Geo. Carter. Jno. C. Callahan. Jos. M. Turner Walter E. Stoner G. W. Ward T. A. Geddes Geo. S. Beker	(10	11
	W & Class	Office expenses	32
19	Beni Howes	Traveling expenses	11
10	Geo, Carter	do	. 11
	Jno. C. Callahan	do	1
	Jos. M. Turner	do	4
	Walter E. Stoner	do	2
	T. A. Coddon		22 61
	Geo. S. Baker Geo. Grafton Wm. C. Honan J. E. Blackwell	do	15
	Geo. Grafton	do	4
	Wm. C. Honan	do	21 6
	J. E. Blackwell	do	6
	C.Vandervoort	do	6
	Cas. A. Pand		47 19
1	R P Steddom	do	34
1	Dan McCunningham	do	98
j	F. M. Perry	do	37
	H. E. Alvord	do	68 84
	I. C. I. Evans	do	84
	A. D. Melvin	do	76
	do	do do	45 8
	N. P. Hinkley	do	16
	H. A. Hedrick	do	2
	Julius Huelsen	do	3
	W. H. Rose	do	11
	A.J. Payne	do	2 24
	T A Shiploy		24 11
	Geo S Baker	do	1
	W. S. Devoe	do	8
	I. K. Atherton	do	9
	O. B. Hess	do	1
	Don. C. Ayer	do	4
	Fredk Braginton	,(0)	7 3
	S. L. Brookings.	do	1
	Wm. Thompson	do	15
	T.J. Turner	do	4
20	Bausch & Lomb Optical Co	Supplies	75
	Wm. C. Honan J. E. Blackwell C. Vandervoort Chas. M. Day Geo. A. Bond. R. P. Steddom Dan McCunningham F. M. Perry H. E. Alvord I. C. I. Evans A. D. Melvin A. G. G. RichardsondodoM. P. Hinkley H. A. Hedrick Julius Huelsen W. H. Rose. W. H. Rose. A. J. Payne A. E. Behnke T. A. Shipley Geo. S. Baker W. S. Devoe I. K. Atherton O. B. Hess Don. C. Ayer J. J. Brougham Fredk, Braginton S. L. Brookings Wm. Thompson T. J. Turner Bansch & Lomb Optical Cododo. The Mosler Safe Co	do Safe	9
	The Mosler Safe Co Thomas Manufacturing Co Jas. T. Daugherty Geo. A. Wallace	Fastopore	15
	Jas. T. Dangherty	Fasteners Guinea pigs Copying laws of New Mexico	12. 7.
		Guinoa pigo	4

108 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
.898.			-
y 20	Dennison Manufacturing Co	Supplies	\$63.
·	S. S. Shedd & Bro E. J. Brooks & Co do Chas. A. Schaufler	Covering tables with lead	13.
	E.J. Brooks & Co	Seals and wires Felt pads Office expenses	311.
	do	Felt pads	2. 6.
21	Chas. A. Schaufler	Office expenses	6.
		Omee expenses do Traveling expenses do do Lithographing Transcribing and certifying laws of Arizone	4.
	L. A. Robinson C. W. Stiles C. L. Morin J. Ottmann Lithograph Co	Traveling expenses	1.
	C. W. Stilles	do	110.
	J. Ottmann Lithograph Co.	Lithographing	12. 412.
	C. H. Akers	Transcribing and certifying laws	26.
			20.
	Waters Pierce Oil Co	Poroffin oil	80.
	Will D. Jenkins	Copying laws of Washington State Desk, etcdo	5. 16.
	David C. Wilbur	Desk, etc	16.
	do Easton & Rupp Z. D. Gilman	do	. 8.
	Easton & Rupp	Envelopes Scissors, etc Transportation	4. 11. 1.
	Z. D. Gilman	Scissors, etc	11.
00	Fredk. Springmann	Transportation	1.
23	Pand MaNally & Co	Copying books	13.
	Chas Batting	Copying books. Blue blotters Photographing, etc	1.
	A. D. Gilman Fredk. Springmann Chadwick Copying Book Co. Rand, McNally & Co Chas. Batting Marsh Bros.	Toilet paper	3. 1.
	Jno. Schroeder	Toilet paper Toilet paper Pulley, etc Enameled cloth Repairing lock box	1.
	Juo. Schroeder A. M. Rothschilds & Co J. Haberly Chicago Car Seal and Manufacturing Co	Enameled cloth.	3.
	J. Haberly	Renairing lock box	8
	Chicago Car Seal and Manufacturing Co	Seals	1. 3. 2.
	C. H. Hanson	Seals	3.
		Basket Towel service do	2.
	Evans Laundry Co	Towel service	8.
	Electric Towel Supply Co	do	5.
	Chas. O. Brockway	SuppliesOil stove and water cooler	74.
	Ochsner & Orcutt Co	Oil stove and water cooler	9.
	The Fair Evans Laundry Co. Electric Towel Supply Co. Chas. O. Brockway Ochsner & Orcutt Co. Gustav E. Stechert. Bay State Clean Towel Furnishing Co. E. B. Whittier. E. J. Brooks & Co. W. F. Poert	Supplies Towel supply Table Felt pads	15.
	Bay State Clean Towel Furnishing Co	Towel supply	9.
	E. B. Whittler	Table	6.
	W F Prott	Horrings	2.
24	St. Joseph Stock Vords Co	Office vent	12.
	Kansas City Stock Vards Co	do	15.
	Belt R. R. Stock Yards Co.	do	10.
	G. W. Tourtellot	do	45.
	East Buffalo Live Stock Exchange Co	do	30.
	Packer's National Bank	do	50.
	B. P. Oliver	do	20.
	Union Stock Yards and Transit Co	do	15.
	Gahan & Byrne	do	75.
	D. II. 1-1		225. 40.
	D. H. Adams	00	40.
	Silver I aundry and Towal Co	Torrel service	11.
	Office Toilet Supply Co	do	58
	Chadwick Copying Book Co	Conving books	58. 27.
	The Consumers' Co	Ice	6.
	E. J. Witther. E. J. Brooks & Co W. E. Pratt St. Joseph Stock Yards Co. Kansas City Stock Yards Co. Belt R. R. Stock Yards Co. G. W. Tourtellot East Buffalo Live Stock Exchange Co. Packer's National Bank B. P. Oliver. Union Stock Yards and Transit Co. Gahan & Byrne. do B. H. Adams Jas. Stikeman. Silver Laundry and Towel Co. Office Toilet Supply Co. Chadwick Copying Book Co. The Consumers' Co. A. Wilson & Bro. Wyandotte Gas Co. W. A. Griswold J. W. Timmer Chas. O. Brockway. N. P. Hinkley	Cabbage	6. 2.
	Wyandotte Gas Co	Gas	4.
	W. A. Griswold	Soap	3.
	J. W. Timmer	Paint, oils, etc Supplies. Use horse and buggy	10.
	Chas. O. Brockway	Supplies	126.
	N.P. Hinkley	Use horse and buggy	40.
	O. E. Dyson		15.
	O. J. Lanigan	U-a h and	15- 25.
	O. E. Dyson O. J. Lanigan Cleary Bros Marshall & Hawley	do Use horse and wagon. Use horse and buggy	25. 53.
	O R Hess		30.
	Jas. W. Davis	do	15.
	Jas. W. Davis W. A. Taggart New England Telephone and Telegraph Co. New York Telephone Co.	do	5.
	New England Telephone and Telegraph Co.	Telephone service	5. 13.
	New York Telephone Co		7.
	Chicago Telephone Co	do	29.
	Pacific Telephone and Telegraph Co	do	10.
	Nebraska Telephone Co	do	10. 4. 16.
25	Chicago Telephone Co Pacific Telephone and Telegraph Co Nebraska Telephone Co W. E. Hill	Traveling expenses	16.
	A. J. Murray The Kny Sheerer Co. J. A. Turner & Co. A. R. Gill	Services	70.
	The Kny Sheerer Co	Supplies	6.
	J. A. Lufher & Co	Omce rent	12. 10.
	A D CSII		

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	St. Louis National Stock Yards Co A. E. Belinke. Jno. Forbes Louis Hax Furniture Co do R. Harris & Co. Virginia and Truckee R. R. The Chicago and Alton R. R. Co. Carson and Colorado Rwy. Co. St. Joseph and Grand Island Rwy. Co. The Missouri Pacific Rwy. Co. Southern California Rwy. Co. Southern Pacific Co. Southern Pacific Co. Southern Rwy. Co. Atchison, Topeka and Santa Fe Co. Wabash R. R. Co. Pennsylvania Co. International and Great Northern R. R. Co. Edward F. Ebinger do do Albert Dean Archibald McBride Martin P. Berg R. B. Gray China Co. New York, New Haven and Hartford R. R. Co. Burlington and Missouri River R. R. in	000	455 40
May 25	St. Louis National Stock Yards Co	Uttice rent	\$75.00 25.00
	Jno. Forbes	do	15.00
	Louis Hax Furniture Co	T bles	13. 50
	R Harris & Co	Radges	26. 10 140. 00
26	Virginia and Truckee R. R	Passenger transportation	18. 75 7. 25
	The Chicago and Alton R R. Co	do	7. 25
	St Joseph and Grand Island Rwy Co	do	16. 20
`	The Missouri Pacific Rwy. Co	do	. 86 42. 40
	Southern California Rwy. Co	do	5.00
	Southern Pacific Co	do	40.50 22.35
	Southern Rwy. Co	do	31. 80
	Atchison, Topeka and Santa Fe Co	do	12.50
	Wabash R. R. Co	do	21. 00 17. 50
	International and Great Northern R. R. Co	do	8. 10
	Baltimore and Ohio R. R. Co	do	15. 20
	Edward F. Ebinger	do	. 16
	do	do	. 15
27	Albert Dean	Office expenses	6.62
	Martin P. Borg	do	1.95 2.50
	R. B. Grav China Co	Filter	13. 50
	New York, New Haven and Hartford R. R.	Transportation	10.40
	Co. Burlington and Missouri River R. R. in Nebraska.	do	9.06
	Hannibal and St. Joseph R. R. Co	do	1.14
	do	do	1.09 .56
	Star Union Line.	do	33. 12
	dodododododododo.	do	13, 18
	Vandalia Linedo	do	21.46 33.39
1	do	do	8. 10
	do Chicago, Milwaukee and St. Paul Rwy. Co Cleveland, Cincinnati, Chicago and St. Louis	do	. 96
	Pww Co		1. 82 1. 20
	Chicago. Burlington and Quincy R. R. Co Baltimore and Ohio R. R. Co Erie R. R. Co Adams Express Co	do	. 76 1. 92
	Baltimore and Ohio R. R. Co	do	
28	Adams Express Co	do	. 41 15. 95
	Adams Express Co. United States Express Co. Geo. E. Howard New York Telephone Co.	do	4.45
31	Geo. E. Howard	Services	90.00
31	do.		7.50 13.33
	do. Geo. F. Thompson et al. E. A. de Schweinitz.	Salaries	1, 015, 23
une 1	E. A. de Schweinitzdo	Office expenses	7. 45
	A. Wilson & Bro.	Hav etc	5, 60 152, 85
- 1	A. Wilson & Bro. Butchers' Slaughter and Melting Associa-	Office expenses Traveling expenses Hay, etc. Erecting an office	178.00
2	tion.		100.00
- 0	Newton B. Ashby	Services	133. 33 1. 70
6	Wm. A. Curran Morris Wooden et al. Wm. M. Balmer et al. H. A. Hedrick et al.	Salaries	1 950 47
	Wm. M. Balmer et al	do	792.40
	Julius Huelsen et al.	do	484. 00 628. 80
	W. H. Rose et al	do	988.40
	Julius Huelsen et al W. H. Rose et al E. M. Willis Z. D. Gilman M. G. Copeland & Co. E. S. Schmid J. R. Buckalew Hugh Reilly Francis Miller People's Dispatch Co Western Union Telegraph Co do R. W. Hickman et al E. P. Shaffter et al C. A. Schaufler et al A. G. G. Richardson et al	Ice	15. 12
	M. G. Copeland & Co.	Flags	1.31 3.70
	E. S. Schmid	Prepared feed	6.00
	J. R. Buckalew	Paper, etc	7.45
	Francis Miller.	Oil finish	1. 00 6. 25
	People's Dispatch Co	Transportation	3.75
	Western Union Telegraph Co	do	74.80
7	R. W. Hickman et al.	Salaries	12.91
	E. P. Shaffter et al	do	1, 961. 20 912. 30
	C. A. Schauffer et al	do	842.18
	A G G Pighandson of -1	i a.	769.79

110 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
1898. une 7	Albert Dean et al	Salaries	\$408. 363.
	C. H. Zink et al. Edward P. Dowd et al.	do	363.
	Edward P. Dowd et al	do	163
	Unas. H. Blemer	Services	119 136 126 102
	Chas. H. Blemer Tooie A. Geddes F. W. Huntington et al.	Salaries	126
	Dan. McCunningham	Services	102
	Dan. McCunningham Abram M. Adams Geo. A. Bond Frank T. Shannon P. H. Mullowney L. J. Allen W. D. Jorden S. Stewart et al Lewis R. Baker et al W. H. Baker et al	do	102 102 102 102
	Geo. A. Bond	do	102
	Frank T. Shannon	do	102
	P. H. Mullowney	do	102
	W. D. Jordon	do	102
8	S Stewart et al	Salaries	102 102 2, 322 942
0	Lewis R. Baker et al	do	942
9	W. H. Baker et al	do	2, 459
	W. S. Devoe et al	do	2, 459 7, 839
	Logan, Swift & Brigham Envelope Co	Envelopes	33 102
10	C. M. Day	Services	102
	H. M. Waller et al.	Salaries	347
	Goo S Balzor et al	do	502
	O B Hess et al	do	716
	W. H. Baker et al. W. S. Devoe et al. Logan, Swift & Brigham Envelope Co C. M. Day H. M. Waller et al. Joshua Miller et al. Geo. S. Baker et al. O. B. Hess et al. U. G. Houck et al. Wm. Thompson et al. N. P. Hinkley et al. L. K. Green et al. H. B. Davidson. T. A. Shipley et al.	do	395 530
	Wm. Thompson et al	do	661
	N. P. Hinkley et al	do	661 822
	L. K. Green et al	do	1, 443
	H. B. Davidson	Lease of land	50
11	T. A. Shipley et al Lowell Clark et al A. E. Belnke et al E. N. Hutchinson et al	Salaries	1,039
	Lowell Clark et al	do	1, 343 1, 632 225
	E. M. Hutchingen et al.	do	1,032
	J. J. Broughem et al	do	1,674
- 1	Frank L. De Wolf et al.	do	865
	Jas. J. Turner et al	do	1. 391
	J. R. Buckalew	Remington letter books	6
	Postal Telegraph Cable Co	Telegraph service	865 1, 391 6.
	E. N. Hutenmson et al. J. J. Brougham et al. Frank L. De Wolf et al. Jas. J. Turner et al. J. R. Buckalew. Postal Telegraph Cable Co.	do	3
10	Postal Telegraph Cable Cododo E. Balzer et alJ. F. Ryder	do	1
13	E. Balzer et al	Salaries	5, 5 39 170
	J. F. Ryder W. H. Wray	do	387
- 1			24
	J. F. Ryder	do	30
	J. F. Ryder Adams Express Co Jno. R. Mohler	Transportation	24. 30. 18.
14	Jno. R. Mohler Don C. Ayer	Salary	
	Hon C Aver	do .	2, 901 3, 536 163
	Saml, E. Bennett W. D. Robbins	do	3,536
	Chas. Keane	do	225
	Archd McBride	do	506
1	Chas. Keaue. Archd. McBride. Lila Robinson. J. J. Summerfield. Chas. H. Stevens. Saml. R. Frazee, jr. Washington Gaslight Co Peter I. Kershner Tooie A. Geddes. W. S. Cass. Geo. S. Beker	Services	506. 13. 19.
	J. J. Summerfield	do	19.
	Chas. H. Stevens	do	61.
	Saml. R. Frazee, jr.	do	20.
	Washington Gaslight Co	(ras	21.
	Toolo A Coddos	do de la companya de	18
	W S Case	do	9
	Geo S Baker	do	13. 8. 3.
	E. N. Hutchinson	do	8.
	S. J. Murray	do	3.
	Chas. M. Day	do	46.
10	Wm. C. Honan	d0	21.
16	W. S. Cass. Geo. S. Baker E. N. Hutchinson S. J. Murray Chas. M. Day Wm. C. Honan Albert J. Payne. Fredk. Braginton Saml. Bennett	do do	1.
	Saml Rennett	do	1.
Ì	Joshua Miller.	do	2.
	Jno. Forbes	do	8.
	Ira K. Atherton	do	2.
	Thos. J. Turner	do	6.
	J.J. Brougham	do	10.
	Geo. S. Baker.	00	1.
1	D G 4		
	Don C. Ayer	do	υ.
	Joshua Miller Jno. Forbes Ira K. Atherton Thos. J. Turner J. J. Brougham Geo. S. Baker Don C. Ayer do W. S. Cass W. H. Gibbs W. C. Barth	do	6. 9. 2.

Date.	Name.	Nature of payment.	Total.
1898.	A. C. Pohulto	Office expenses	\$21.48
une 16	A. C. Behnke W. H. Rose Chas. A. Schaufler A. G. G. Richardson	Onice expenses	14, 55
	Chas. A. Schaufler.	do	6. 05 45-00
	A. G. G. Richardson	do	45.00
	A. G. G. Richardsondo H. A. Hedrick R. W. Hickman T. A. Shipley F. M. Hunter F. M. Perry Jno. Parker Jno. C. Collahan Walter E. Stoner Geo. Carter C. H. Blemer	do	3. 00 2. 25
	R. W. Hickman	do	1.34
	T. A. Shipley	do	21.02
	F. M. Hunter	do	85. 20
	Jno Parker	Memorandum books etc	80.00 19.46
	Jno. C. Collahan	Traveling expenses	1.92
	Walter E. Stoner	do	3.20
	Geo. Carter	do	2.37 34.60
	F. M. Perry	do	26. 19
	C. L. Morin	Services	56, 00
17	do	Traveling expenses	10.00 17.33
11	do do	do	17. 33
18	Wyckoff, Seamans & Benedict	Repairs to typewriter	. 60
00	Geo. Carter. C. H. Blemer F. M. Perry C. L. Morin. do. Western Union Telegraph Co. do. Wyckoff, Seamans & Benedict E. J. Brooks & Co. Thos. Castor et al. Wm. A. Heck et al.	Seal and wires.	. 60 335. 75
20	Thos. Castor et al. Wm. A. Heck et al S. L. Brooking et al. Jno. Forbes et al F. L. Russell do. Geo. Grafton Geo. A. Bond Dan McCunningham A. J. Murray Wm. D. Jorden W. E. Hill Jos. M. Turner Harry N. Waller E. A. de Schweinitz W. S. Devoe	Salaries	1, 190, 21 717, 34
ļ	S. L. Brooking et al.	do	1, 340, 64
	Jno. Forbes et al	do	1, 440, 52
	F. L. Russell	Services	72.00 49.30
	Geo Grafton	do do	49. 30
	Geo. A. Bond.	do	25.25 50.71
	Dan McCunningham	do	50.71
	A. J. Murray	do	72. 80 54. 40
	W. E. Hill	do	40.55
	Jos. M. Turner	do	4.45
	Harry N. Waller	Office expenses	2. 68 27. 38
	W. S. Devoe	do	8. 65
	Thomas Manufacturing Co	Tag fasteners	31.25
91	E. J. Brooks & Co.	Lead seals, etc	212, 50
21	Leslie J. Allen	Traveling expenses	29. 42 47. 65
	Rice P. Steaddom	do	66.95
	Geo. C. Moser	do	63.00
	Chas O Brockway	Supplies	49.00 86.80
	do	do	17. 64
	Wm. E. Pratt	Hog rings	6.95
	Dennison Manufacturing Co	Tags, etc	249. 90
	United States Electric Lighting Co.	Electric current	26. 35 4. 94
	Wyckoff, Seamans & Benedict	Repairs to typewriters	4, 35
	Rufus P. Clarke	Towels	3. 20
22	Josephine L. Camp	Copying laws of Connecticut	48.60 1.25
	New England Telephone and Telegraph Co .	Services	13.00
	New York Telephone Co	do	12.48
	Pacific Telephone and Telegraph Co	do	4.25 10.00
	Albert E. Behnke	Hire of horse and buggy	25.00
	O. J. Lanigan	Hire of saddle horse	15.00
	Cleary Bross	Him of home and wagen	15.00 25.00
	Marshall & Hawley	Hire of horse and buggy, etc.	53.00
	Chicago Telephone Co	Services	29. 16
	N. P. Hinkley	Hire of horse and buggy	30.00
	J. W. Davis	do	40.00 15.00
23	G. W. Ward	Services	25.00
	E. J. Brooks & Co. Chas. H. Stevens Leslie J. Allen Rice P. Steaddom Geo C. Moser P. H. Mullowney Chas. O. Brockwaydo. Wm. E. Pratt Dennison Manufacturing Co. W. B. Moses & Sons United States Electric Lighting Co. Wyckoff. Seamans & Benedict Rufus P. Clarke. M. Du Perow Josephine L. Camp New England Telephone and Telegraph Co. Nebraska Telephone Co. Pacific Telephone and Telegraph Co. Albert E. Behnke O. J. Lanigan O. E. Dyson Cleary Bros Marshall & Hawley Chicago Telephone Co. O. B. Hess. N. P. Hinkley J. W. Davis G. W. Ward L. K. Green G. W. Ward L. K. Green G. W. Ward	Services Traveling expensesdo Office expenses	62.55
	Albert Dean	Office expenses	3.80 6.43
	H. Ward Albert Dean Wyandotte Gas Co Office Toilet Supply Co The Consumers' Company Hugh Reilly C. Recker	Gas	3. 90
	Office Toilet Supply Co	Towels	57.12
	Hugh Railly	Ice	7.65
	C. Becker David Pifferling	Supplies	4. 60 5. 05
	T) 17 71 00 14	Sheep.	9.00

Date.	Name.	Nature of payment.	Total.
1898.			
une 23	Rudolph, West & Co Easton & Rupp Geo. F. Muth & Co E. Morrison Paper Co Geo. A. Shehan Mackall, Bros. & Flemer David P. Frame	Hinges, etc	\$2. 3.
	Easton & Rupp	Serapbooks	3.
	E Marrison Paper Co	Supplies	27.
	Geo. A. Shehan	Scrapbooks Supplies Rubber bands Shelving Sulphur Services do Office expenses	6.
	Mackall, Bros. & Flemer	Sulphur	1. 11.
24			40.
	A. J. Murray Wm. Thompson Jno. Forbes	do	15.
	Wm. Thompson	Once expenses	15. 6.
	S. R. Burch		85.
	Colorates Hamisham and Con Antonia	Traveling expenses	16.
	Galveston, Harrisburg and San Antonio Rwy. Co. Texas Pacific Rwy. Co. Chesapeake and Ohio Rwy. Co. Chicago and Northwestern Rwy. Co. do. Louisville, Evansville and St. Louis Con-	8 1	
	Texas Pacific Rwy. Co	do	21.
	Chicago and Northwestern Prov. Co.	do	42.
	do	do	6. 38.
	Louisville, Evansville and St. Louis Con-	do	16.
	solidated R. R.		2.00
	San Antonio and Aransas Pass Rwy. Co Kansas City, St. Joseph and Council Bluffs	do	13.
	Kansas City, St. Joseph and Council Bluffs	do	11.
	R. R. Co.	, ab	48.
	Baltimore and Ohio R. R. Co Southern Rwy. Co Juno A. Bell	do	43.
25	Jno. A. Bell	Services	48.
	do	Traveling expenses	12.
	Benj. Howes	do	9.
27	Gahan & Byrne	Office rent	75.
	Vancas City Stock Vards Co	do	225. 15.
	B. P. Oliver	do	20.
	Belt R. R. Stock Yard Co	do	10.
28	G. M. Brumbaugh	Traveling expenses	19.
30	do. Benj, Howes Gahan & Byrne do. Kansas City Stock Yards Co. B. P. Oliver Belt R. R. Stock Yard Co. G. M. Brumbaugh Geo. F. Thompson et al.	Salaries	1, 214.
	Total fourth quarter		161, 929.
	Supplemental.		
uly 1	The J. F. W. Dorman Co W. A. Taggart W. A. Griswold Silver Laundry and Towel Co. Joe W. Timmer J. H. North Furniture and Carpet Co.	Pads	25.
	W. A. Taggart	Boarding horse	25. 12.
	W. A. Griswold	Pearline	4.
	Silver Laundry and Towel Co	Towel service. Wash boiler, etc	9.
	T H North Eurniture and Cornet Co	Window shades	2. 6.
	Jno. Forbes	Maintenance of horse and buggy.	15
	Jno. Forbes Electric Toilet and Supply Co	Maintenance of horse and buggy. Towel supply Repairing chairs Ice cooler. Hauling Towel supply do Office rent.	5.
	Jas. Stewart	Repairing chairs	6. 3.
	N. L. Woodward	Ice cooler	3.
	Louis Berger	Towel supply	5 8.
	Bay State Clean Towel Furnishing Co	do	10.
	G. W. Tourtellot	Office rent	45.
	St. Joseph Stock Yards Co	do	12.
	N. L. Woodward Louis Berger. Evans Laundry Co. Bay State Clean Towel Furnishing Co. G. W. Tourtellot St. Joseph Stock Yards Co. St. Louis National Stock Yards. Union Stock Yards and Transit Company. Packers National Bank do. James Stikeman B. H. Adams N. R. Gill. East Buffalo Live Stock Exchange Co. J. A. Turner & Co.	do	75.
	Union Stock Yards and Transit Company	do	15. 50.
	do	dodo	3.
	James Stikeman	do	41.
	B. H. Adams	do	40.
	N. R. Gill	do	10.
	East Buffalo Live Stock Exchange Co	do	30. 12.
	J. A. Turner & Co. Jos. F. Dean Carie Ehler's	do	40.
	Caria Ehlers	Traveling expenses	27.
	C. W. Stiles	do	85.
	do	Office expenses	5.
_ 2	Wm. E. Pratt	Office expenses Hog rings Interstate stamps	20.
	Chas. O. Brockway	Interstate stamps	1, 170. 184.
	Easton & Runn	Supplies Envelopes	184.
	J. C. Ergoed & Co	Soap	3. 10.
	MaDama M Camba and Ca	Painting carriage, etc	19.
1	McDermott Carriage Co	7	
	C. W. Stilesdo Wm. E. Pratt Chas. O. Brockway E. J. Brooks & Co Easton & Rupp J. C. Ergood & Co McDermott Carriage Co. W. A. Pate	Brackets	
	W. A. Pate R. P. Clarke	Brackets Linen handkerchiefs	1.
	W. A. Pate R. P. Clarke S. S. Daish & Son	Linen handkerchiefs Corn, bran, and meal	1. 135.
5	M. A. Pate W. A. Pate R. P. Clarke S. S. Daish & Son P. T. Moran Geo. E. Howard A. D. Melvin	Brackets Linen handkerchiefs Corn, bran, and meal Rock salt Services Traveling expenses	1. 135. 9. 75.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. BUREAU OF ANIMAL INDUSTRY-Continued.

ate.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
98.	T 11 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	71	
y 6	United States Express Co	Transportation	\$21
,	C. W. Stiles Geo. A. Shehan	Traveling expenses Lumber Demijohns	78 6
	G. G. Cornwell & Son	Demijohns	2
8	G. C. Cornwell & Son. Edwd. P. Dowd et al. Harry W. Waller et al. Niels C. Sorensen et al. Albert Dean et al. F. W. Huntington Tooie A. Geddes. W. E. Hill Dan. McCunningham L. J. Allen Geo. C. Moser Frank C. Fells Thos. A. Bray J. J. Summerfield C. H. Blemer	Salaries	158
	Harry W. Waller et al	do	335
	Niels C. Sorensen et al		329 494
	F W Huntington	Sarvices	98
	Tooje A Geddes	do	131
	W. E. Hill	do	131 98 98
	Dan. McCunningham	do	98
	L. J. Allen	do	98
	Geo. C. Moser	do	98
	Thos A Prov	do	98 98 98
]	J. J. Summerfield	dodo	98
	C. H. Blemer	do	115
	Arthur B. Morse	do	115
	P. H. Mullowney	do	98 98
	Geo. A. Bond	do	98
	J. J. Summerfield C. H. Blemer Arthur B. Morse P. H. Mullowney Geo. A. Bond F. T. Shannon S. J. Murray Wm. D. Jorden A. M. Adams. Wm. D. D. Pisal	do	98 98
	Wm. D. Jorden	do	98
	A. M. Adams	do	98
1	Wm. N. D. Bird	do	69
.	Julius Huelsen	do	3
0	H. B. Davidson	do	50
9	Will. N. D. Bird. Julius Huelsen H. B. Davidson Geo. Ditewig et al. W. H. Gibbs et al.	Salaries	$\frac{247}{232}$
	Thos W Ochal at al	do	173
	Fredk, Braginton et al	do	174
	Thos. W. Oshel et al Fredk. Braginton et al C. H. Zink et al Chas. Keane et al.	do	402
	Chas. Keane et al.	do	402 217 158
	W. D. Robbins et al	do	158
11	Geo. W. Knox Express Co	Transportation	3
11	Chas. Keane et al. W. D. Robbins et al. Geo. W. Knox Express Co. Geo. C. Faville et al. E. N. Hitchman et al. E. N. Hutchinson et al. Benj. J. Paddock et al. Geo. S. Baker et al. T. A. Shipley et al. T. J. Turner et al. J. P. O'Leary et al. Saml. E. Bennett et al. W. H. Baker et al. W. S. Devoe et al. W. S. Devoe et al. W. S. Moses & Sons E. M. Willis	Sataries	331 1, 896
12	E. N. Hutchinson et al	d0	217
	Benj. J. Paddock et al	do	378
	Geo. S. Baker et al	do	378 695 978 1, 302
	T. A. Shipley et al	do	978
	I.J. Lurner et al.	do	1,302 $1,417$
	Saml E Reports et al	do	2 405
13	W. H. Baker et al	do	1, 935
	W. S. Devoe et al.	do	3, 405 1, 935 7, 741
	W. B. Moses & Sons	Desk, etc	17
	E. M. Willis Mackall Bros. & Flemer	Ice.	18
	Fred. A. Schmidt	Supplies	127
14	T A do Cohamainita		2 11
	Chas. R. Edmonston	Office expenses	17
	E. A. de Schweintz Chas. R. Edmonston M. Du Perow O. B. Hess et al Lra K. Atherton et al Wm. A. Heek et al	Fans	24
	O. B. Hess et al.	Salaries	382 408
	Ira K. Atherton et al	do	408
1	Wm. A. Heck et al	do	573
- 1	Don C Aver et al.	do	773
15	E. Balzer et al	do	2, 836 3, 608
16	Wm. Thompson et al	do	880
	Joshua Miller et al	do	643
	E. Stewart et al	do	2, 515 55
	Uno. A. Power & Co.	Labor and material	55
18	Ira K. Atherton et al. Wm. A. Heck et al. Lowell Clarke et al. Don C. Ayer et al. E. Balzer et al. Wm. Thompson et al. Joshua Miller et al. E. Stewart et al. Jno. A. Power & Co. Washington Gaslight Co. W. A. Cass et al. Jno. R. Mohler et al. Thos. A. Castor et al. F. L. De Wolf et al.	Galarias	17 695
10	Jno. R. Mohler et al	do	1.160
	Thos. A. Castor et al	do	894
	F. L. De Wolf et al	do	1, 160 894 793
	J. A. Turner & Co.	Office rent	12.
	Jos. F. Dean	do	40.
	F. L. De Wolf et al. J. A. Turner & Co. Jos. F. Dean B. H. Adams W. S. Cass	Thought a server	40
	do. Spencer Lens Co E.J. Brooks & Codo	Office expenses	2.
	Spencer Lens Co	Supplies	342.
			486

114 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898.	Supplemental—Continued.		
ily 18	Z. D. Gilman	Suppplies	\$4.
115 10	W. M. Galt & Co	Oats	φ 4 . 2.
	W. M. Galt & Co L. H. Hopkins	Hinges	2.
	Edw S Schmid	Oats Hinges Guinea pigs	8.
19	F. M. Hunter J. F. Ryder do W. H. Wray	Services Traveling expenses Services	82.
	J. F. Ryder	Traveling expenses	45.
	do	Services	164. 375.
	W. H. Wray	do	375.
	do N. B. Ashbydo F. L. Russell	Traveling expenses	34. 200.
	do	Office expenses	12
	F. L. Russell	Services	12. 72.
	Chas. M. Day Chas. H. Stevens	do	98.
	Chas. H. Stevens	do	115.
	las Irwin	do .	82.
	Photo-Chromotype Engraving Co Chesapeake and Potomac Telephone Co Washington Gaslight Co	Supplies	18.
	Chesapeake and Potomac Telephone Co	Telephone service	25.
20	Washington Gaslight Co	Services and supplies	25.
20	G. W. Ward C. L. Morin	do	15. 20.
	Jno. A. Bell	do	32.
	Jno. A. Bell Chas. Cowie	do	75.
	N. B. Ashby	do	200.
	Jos. M. Turner W. E. Stoner G. W. Ward C. L. Morin	Traveling expenses	4.
*	W. E. Stoner	do	3.
	G. W. Ward	do	3.
	C. L. Morin	do	3.
	Geo. Carter Jno. A. Bell Jno. C. Callahan	do	2. 9.
	Jno C Callahan	do	2.
	W. H. Rose Chas. Cowie A. G. G. Richardson do	do	11.
	W. H. Rose	do	9.
	Chas. Cowie	Office expenses	1.
	A. G. G. Richardson	do	1. 45.
	do	do	4.
	H. A. Hedrick Julius Huelson W. H. Rose	do	3.
	Julius Huelson	do	3.
	W. H. Kose		19. 6.
	P W Hielzman	do	0.
	Chas, A. Schaufler R. W. Hickman Nelson P. Hinkley	do	2. 7.
	E. A. de Schweinitz	do	21.
	New York Telephone Co	Telephone rent	7. 40.
	Bell Telephone Co. of Philadelphia, Pa	do	
	Nelson P. Hingley E. A. de Schweinitz New York Telephone Co. Bell Telephone Co. of Philadelphia, Pa. Nelson P. Hinkley New England Telephone and Telegraph Co.	do Hire horse and buggy. Telephone services do Towel service	40.
	New England Telephone and Telegraph Co -	Telephone services	13.
	Chesapeake and Potomac Telephone Co	do	19. 9.
	New England Telephone and Telegraph Co- Chesapeake and Potomac Telephone Co- Bay State Clean Towel Furnishing Co- Boston Gas Light Co- United States Electric Light Co- Wm. Thompson- Albert E. Behnke	Cos	9.
	United States Electric Light Co	Electric current	7.
21	Wm. Thompson	Gas Electric current Office expenses	8.
21	Albert E. Behnke	do	19.
			2.
	Joshua Miller. Geo. S. Baker	do	1.
	Geo. S. Baker	do	1.
	Geo. S. Baker O. B. Hess	do	3.
	Coa C Paker	Traveling expenses	45. 14.
	O P Hose	Hiro horos and hugger	30.
	Albert E Robnico	do	25.
	Albert E. Behnke Jas. W. Davis	do	15.
	Jno. Forbes	do	15.
	W. A. Taggart	do	15. 12.
	Jno. Forbes W. A. Taggart Geo. S. Hickox	Street-car tickets	3.
	Johnson & Co. Wyandotte Gas Co. South Omaha Ice Co.	Brooms	2.
	W yandotte Gas Co	Gas	3.
	M. Donavan	Sign	2. 5.
	I. Porgar	Hauling	9.
	E. Berger Evans Laundry C6 Electric Toilet Supply Co Silver Laundry Towel Co	Hauling	2. 5.
	Electric Toilet Supply Co	do	5.
	Silver Laundry Towel Co	do	11.
	Iowa Telephone Co	Telephone service	6.
	Nebraska Telephone Co	do	4.
	Iowa Telephone Co. Nebraska Telephone Co. Pacific Telephone and Telegraph Co. B. P. Oliver	do	10.
22	B. P. Oliver. S. L. Brooking. J. J. Brougham.	Rent of office	20.
		LITTICE AYDEDSA	

ite.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
98.	77 77 77 77	000	d1 1
22	E. P. Schaffter	Omce expense	\$1. I 9. 2
	E. P. Schaffter. T. A. Shipley. Jno. Forbes	do	6. 9
	Saml. E. Bennett Thos. J. Turner Don C. Ayer	do	1. 2
	Thos. J. Turner	do	4. 8 2. 8
	Don C. Ayer	do	4. 6
	Don C. Ayer Albert Dean Toole A. Geddes L. J. Allen J. J. Summerville Geo. C. Moser S. J. Murray A. M. Adams A. J. Murray William D. Jorden R. P. Steddom	Traveling expenses	12.
	L.J. Allen	do	17.8
	J. J. Summerville	do	18.
	S. J. Murrey	do	8. I 17. 9
	A. M. Adams	do	5. (
	A. J. Murray	do	8. (
	William D. Jorden	do	30.
	William C. Hopen	do	46. 9 22. 2
	The Consumers' Ice Co.	Ice	9.
	The Office Toilet Supply Co	Toilet service	33. 9
	Geo. B. Carpenter Co	Awnings, etc	9.7
	Chicago Car Seal and Manufacturing Co	Supplies	4.0
	William D. Jorden R. P. Steddom William C. Honan The Consumers' Ice Co. The Office Toilet Supply Co. Geo. B. Carpenter Co. Chicago Car Seal and Manufacturing Co. do. Library Bureaudo. Jennie C. Radford Tillie Heil. Cleary Bros	Cards	4.8
	do	do	4.8
	Jennie C. Radford	Services	18.1
	Cleary Bros	Hire horse and wagon Saddle horse and horse and buggy	1. 0 25. 0
	Marshall & Hawley O. E. Dyson O. J. Lanigan St. Joseph Stock Yards Co	Saddle horse and horse and buggy	53. (
	O. E. Dyson	do	15.0
	O. J. Lanigan	do	15.0
	St. Joseph Stock Yards Co	Office rent	12.
	St Louis National Stock Vards	qo .	45. (75. (
	Belt R. R. and Stock Yards Co	do	10.0
	Packers National Bank	do	50.
	St. Joseph Stock Yards Co G. W. Tourtellot St. Louis National Stock Yards Belt R. R. and Stock Yards Co Packers National Bank do Gahan & Byrne do Albert J. Payne	do	5, 0 225, 0
	do do	do	75. (
23	Albert J. Payne	Office expenses	1. 1
	do W. E. Hill Niels E. Sorensen Albert J. Payne	do	2. 9
1	W. E. Hill	Traveling expenses	3.7
	Albert J. Payne	do	12. 4 7. 6
1	F. L. Russell	do	39. 8
- 1	F. L. Russell F. M. Perry do Chas, O. Brockway	do	55.6
	Olar O Proplement	Services	160.0
	do	Suppnes	77. 9 21. 0
	dodo	do	296. 9
	do	do	630. (
	Kausas City Stock Yards Co	Office rent	15. (
	Bausch & Lomb Optical Co	Supplies	20. 5
	Bausch & Lomb Optical Codo. do. Dennison Manufacturing Co Central Union Telephone Co Chicago Telephone Co New York Telephone Co Union Stock Yards and Transit Co Theo. Wiegreffe & Son N. R. Gill	do	8. 3 2 29. 3
	Central Union Telephone Co	Telephone service	21. 5
	Vow York Telephone Co.	do	29. 2
	Union Stock Vards and Transit Co	Office rent	12. 1 15. 0
	Theo. Wiegreffe & Son	Window screens	15.
			10.
	James Stikeman.	do	41. ° 30. °
25	A. J. Murray	Services	30. 0 15. 0
	Jno. C. Parker	Supplies	14.
26	A. J. Murray	Supplies Traveling expenses	8. (
	C. W. Stiles	Brushes, nails, etc	170.
	Western Union Telegraph Co	Telegraph service	22.
27	Missouri Pacific R. R. Co.	Telegraph service Passenger transportation	3.
	James Stikeman. East Buffalo Live Stock Exchange Co A. J. Murray. Jno. C. Parker. A. J. Murray. C. W. Stiles. Rudolph, West & Co Western Union Telegraph Co Missouri Pacific R. R. Co Pittsburg. Cincinnati, Chicago and St Louis Rwy. Co Chicago, Burlington and Quincy R. R. Co	dō	28. 1 15. 0
	Louis Rwy. Co.		15.0
	International and Creat Northern B. B. C.	do	
	Chicago, Burlington and Quincy R. R. Co International and Great Northern R. R. Co Michigan Central R. R. Co Galveston, Harrisburg and San Antonio R.	do	2. 9 22. 3
	Galveston, Harrisburg and San Antonio R.	do	13. 3
	R. CO.		
	Rio Grande Western Rwy. Co	do	41.7

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
1000	Supplemental—Continued.		
1898. ily 27	Louisville and Nashville R. R. Co	Passenger transportation	. \$18.
	Chicago, Milwaukee and St. Paul Rwy. Co	do	7.
	Southern Pacific Co	do	21
	Missouri Pacific Rwy Co	do	26. 16.
	New York, New Haven and Hartford R.	do	1.
	R. Co.		1. 15
	R. Co. Hannibal and St. Joseph R. R. Co. Baltimore and Ohio Southwestern Rwy. Co. do. Chicago, Milwaukee and St. Paul Rwy. Co. Old Colony Steamboat Co. Atchison, Topeka and Santa Fe Rwy. Co. Pennsylvania R. R. Co. T. S'Palmer	do	13
	dodo	do	1
	Chicago, Milwaukee and St. Paul Rwy. Co	do	4
	Old Colony Steamboat Co	do	1
	Pennsylvania R R Co	Transportation	7
ug.1	T. S. Palmer	Traveling expenses.	21
	do	Office expensesdo Office expensesdo	4
2	Patrick Mullowney	Traveling expenses	13 66
4	W. S. Devoe	Office expenses	10
10	Dennison Manufacturing Co	Supplies	306
10	Co. W. Stiles.	Once expenses Supplies Traveling expenses Transportation	47 • 1
12 13	Chas, H. Blemer	Traveling expenses	39
16	Pennsylvania R. R. Co. T. S. 'Palmer. do Patrick Mullowney do W. S. Devoe Dennison Manufacturing Co C. W. Stiles. Geo. W. Knox Express Co Chas. H. Blemer. Schwarzchilds & Sulzberger Co. New York Telephone Co. N. B. Ashby do Waters Pierce Oil Co.	Traveling expenses. Butter Telephone service Traveling expenses	19
10	New York Telephone Co	Telephone service	7
18	N. B. Ashby	do traveling expenses	116 85
	Waters Pierce Oil Codo Edward S. Schmid.	do	16
	do	Zone oil	. 9
19	Edward S. Schmid	Guinea pigs	8
19	Adams Express Co. Z. D. Gilman. Mackall Bros. & Flemer	Transportation Supplies do do do	0
	Mackall Bros. & Flemer	go	12
24	00	Office expenses	3
25	Rudolph West & Co	Supplies	4 33
-	N. B. Ashby Rudolph, West & Co H. H. Brown. Chas. H. Stevens Fredk. Springmann N. A. Norgaard. Western Union Telegraph Co do Library Bureau Atchison, Topeka and Santa Fe Rwy. Co. Baltimore and Ohio R. R. Co. Chicago and Northwestern Rwy. Co. Southern Pacific Co. Fremont, Elkhorn and Missouri Valley R. R. Co. Postal Telegraph Cable Co. International and Great Northern R. R. Co. Allegheny Valley Rwy. Co.	do	28 1
27	Chas. H. Stevens	Traveling expenses	1
ept.2	N- A Norgaard	Transportation	$\frac{2}{106}$
2[/012	Western Union Telegraph Co	Telegraph services	22
- 1	do	do	19
7 12	Atchison Toneka and Santa Fe Rwy Co	Passenger transportation	18 23
14	Baltimore and Ohio R. R. Co	do	17 22
	Chicago and Northwestern Rwy. Co	do	22
	Fremont Elkhorn and Missouri Valley	do	6.
i	R. R. Co.		1
1	Postal Telegraph Cable Co	Telegraph service	9
	R. R. Co. Postal Telegraph Cable Co. International and Great Northern R. R. Co. Allegheny Valley Rwy. Co.	Passenger transportation	4 13
	Allegheny Valley Rwy. Co. Lake Shore and Michigan Southern Rwy. Co. Chicago, St. Paul, Minneapolis and Omaha	do	
	Chicago, St. Paul, Minneapolis and Omaha	do	15.
	RWV UO		6.
	Pennsylvania R. R. Co	do	4.
- 4	Rwy. Co.		
	Burlington and Missouri River R. R. in	00	1.
- 1	Southern California Railway Co	do	10.
21	The Watson Stillman Co	Supplies	20.
23 24	Hannibal and St. Joseph P. P. Co.	Transportation	10. 35.
24	do	do	1.
	Edwd. F. Ebinger	do	1.
	do	do	
	Wabash R. R. Co	do	2.
	Erie R. R. Co	do	
	Vandalia Line	do	25. 19.
	Baltimore and Ohio Southwestern Rwy. Co.	do	1.
	Burlington and Missouri River R. R. in Nebraska. Southern California Railway Co. The Watson Stillman Co. Adams Express Co. Hannibal and St. Joseph R. R. Co. dodo. Edwd. F. Ebingerdodo. Wabash R. R. Co. Erie R. R. Co. Vandalia Line Cheago and Erie R. R. Co. Baltimore and Ohio Southwestern Rwy. Co. Ghicago, Burlington and Quincy R. R. Co. dododo. Chicago, Indianapolis and Louisville Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co.	do	1.
	do	do	1.
- 1	do	. 20	-

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
189 8 . Sept. 24	Illinois Central Rwy. Co	Transportation	\$0. 9
эерь. 24	do	do	1.3
	Burlington and Missouri River R. R. in	do	10. 2
	Nebraska.	do	33. 1
	Neuraska: Chicago and Northwestern Rwy. Co Star Union Line Baltimore and Ohio R. R. Co Newton B. Ashby. Mry H. M. King	do	.9 2.0
0.4 10	Baltimore and Ohio R. R. Co	Office ormanae	2. 0 9. 4
Oct. 18	Mrs. H. M. King	Lumber, etc	122.0
21 24	Mrs. H. M. King N. P. Hinkley Cleveland, Cincinnati, Chicago and St. Louis	Expenses	8.8
24	Rwy. Co.	Passenger transportation	9. 0
	Rwy. Co. Pennsylvania Co Omaha and Republican Valley Rwy. Codo Missouri Pacific Rwy. Co Chicago, Milwaukee and St. Paul Rwy. Co Southern Pacific Co	do	17.5
	Omaha and Republican Valley Rwy. Co	do	1.5 1.5
	Missouri Pacific Rwy. Co	do	13. 1
	Chicago, Milwaukee and St. Paul Rwy. Co	do	24.7
	Southern Pacine Co	do	46, 4 34, 5
Nov. 3	Belt R. R. and Stock Yards Co	Heating office	5. 2
5	Wastern Union Telegraph Co	Photo supplies	1.1 35.0
9,	Southern Pacific Cododo Belt R. R. and Stock Yards CoMackall Bros. & Flemer Western Union Telegraph Co Bell Telephone Co	Telephone service	4.5
	Total		
Pinat and	RECAPITULA	ATION.	\$106 776 9
Second q	uarter		175, 518. 5
Third an	onton		179 509 1
T3 (3	arter		100, 500. 1
	orter RECAPITULE narter arter uarter uarter ental sal BUREAU OF ANIMAL INDUSTRY		
	al		
Date.	BUREAU OF ANIMAL INDUSTRY	RENT OF LABORATORY.	670, 115. 0
Date.	BUREAU OF ANIMAL INDUSTRY Name. *	—RENT OF LABORATORY. Nature of payment.	670, 115. 0 Total.
Date.	BUREAU OF ANIMAL INDUSTRY	—RENT OF LABORATORY. Nature of payment.	670, 115. 0 Total.
Date.	BUREAU OF ANIMAL INDUSTRY Name. *	Rent of laboratorydo	670, 115. 0 Total.
Date. 1897. Aug. 21 Sept. 17	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratorydo	Total- \$100.0 200.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratorydo	\$100.0 100.0 100.0 100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratorydo	Total. \$100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratorydo	\$100.0 100.0 100.0 100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898.	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratorydo Rent of laboratorydo Rent of laboratorydo	Total. \$100.0 200.0 100.0 300.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4	Name. J. Harrison Johnson do. Total first quarter J. Harrison Johnson do. Total second quarter	Rent of laboratory	\$100.0 0 100.0 0 100.0 0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	Total. \$100.0 200.0 100.0 300.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4	Name. J. Harrison Johnson do. Total first quarter J. Harrison Johnson do. Total second quarter	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 300.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	\$100.0 100.0 100.0 100.0 100.0 300.0 300.0 300.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	\$100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6	BUREAU OF ANIMAL INDUSTRY Name. J. Harrison Johnson do. Total first quarter J. Harrison Johnson do Total second quarter J. Harrison Johnson	Rent of laboratory	\$100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 100.0 300.0 100.0 100.0 100.0 100.0 100.0 100.0
Date. 1897. Aug. 217 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	*100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21, Mar. 10 Apr. 11 May 6 June 14	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory do do do Rent of laboratory do do do do do do do do do column a co	Total. \$100.0 100.0 200.0 100.0 100.0 300.0 100.0 100.0 100.0 100.0 100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21, Mar. 10 Apr. 11 May 6 June 14	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 300.0 100.0 300.0 100.0 300.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6 June 14	BUREAU OF ANIMAL INDUSTRY Name. J. Harrison Johnson do. Total first quarter J. Harrison Johnson do do Total second quarter J. Harrison Johnson do do Total third quarter J. Harrison Johnson do South Harrison Johnson	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 300.0 100.0 300.0 100.0 300.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21 Mar. 10 Apr. 11 May 6 June 14	BUREAU OF ANIMAL INDUSTRY Name. J. Harrison Johnson do. Total first quarter J. Harrison Johnson do do Total second quarter J. Harrison Johnson do do Total third quarter J. Harrison Johnson do South Harrison Johnson	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 100.0 100.0 100.0
Date. 1897. Aug. 21 Sept. 17 Oct. 5 Nov. 6 Dec. 4 1898. Jan. 11 Feb. 21, Mar. 10 Apr. 11 May 6 June 14 July 13 First que Second q	BUREAU OF ANIMAL INDUSTRY Name. * J. Harrison Johnson	Rent of laboratory	Total. \$100.0 100.0 200.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0 100.0 300.0

WEATHER BUREAU-SALARIES.

Date.	Name.	Nature of payment.	Total.
1897.			
July 31	Edwd. B. Garriott	Services	\$210.
	Edwd. B. Garriott Henry J. Cox W. H. Hammon Willis L. Moore et al. Edwd. B. Garriott Henry J. Cox W. H. Hammon Willis L. Moore et al. Edwd. B. Garriott Henry J. Cox	do	168.
	W. H. Hammon	do	168.
	Willis L. Moore et al	Salaries	11, 931. 210.
ug. 31	Edwd. B. Garriott.	Services	210.
	Henry J. Cox	do	168.
	W. H. Hammon	do	168.
	Willis L. Moore et al	Salaries	11, 961.
ept. 30	Edwd. B. Garriott	Services	203.
	Henry J. Cox	do	163.
	W. H. Hammon	do	163.
	Henry J. Cox W. H. Hammon Willis L. Moore et al.	Salaries	11, 610.
	Total first quarter		37, 128.
ct. 31	Edwd. B. Garriott		210.
- 0. 01	Henry J. Cox	do	168.
	W. H. Hammon	do	168.
	W. H. Hammon Willis L. Moore et al.	Salaries	11, 869
ov. 11	J. H. Harmon	Services	11, 869 130.
30			11, 622.
	Edwd. B. Garriott	Services	203.
	Henry J. Cox	do	163.
	W. H. Hammon	do	163.
ec. 31	Edwd. B. Garriott	do	210.
	Henry J. Cox	do	168.
	W. H. Hammon	do	168.
	Willis L. Moore et al Edwd. B. Garriott Henry J. Cox W. H. Hammon Edwd. B. Garriott Henry J. Cox W. H. Hammon Willis L. Moore et al.	Salaries	12,009.
	Total second quarter		37, 256.
1898.			
an. 31	E. A. Branham	Sarvicas	3.
ан. эт	E. B. Garriott	do	215.
,	Henry J. Cox	do	172.
	W. H. Hammon	do	172.
	Willis L. Moore et al.	Solarios	12, 265.
eb. 28	E. B. Garriott		194.
60. 20	Hopey I Cox		155.
	Henry J. Cox. W. H. Hammon	do	155.
	W. H. Hammon	Colonica	11, 067.
Iar. 31	Willis L. Moore et al. E. B. Garriott	Services	215.
Lar. ol	Henry J. Cox	do	172.
	W. H. Hammon	do	172.
	Willis L. Moore et al.	Salaries	12, 327.
	Total third quarter		37, 288.
pr. 30	Edwd. B. Garriott	Services	206.
-	Henry J. Cox	do	164.
	W. H. Hammon	do	164.
	Willis L. Moore et al	Salaries	11, 805.
[ay 31	Edwd. B. Garriott	Services	11, 805. 213.
	Henry J. Cox W. H. Hammon	do	170.
	W. H. Hammon	do	170.
	Willis L. Moore et al. Henry J. Cox.	Salaries	12, 115.
une 30	Henry J. Cox.	Services	* 164.
	W. H. Hammon	do	164.
	Willis L. Moore et al.	Salaries	11, 619.
	Edwd. B. Garriott	Services	206.
	Total fourth quarter		37, 165.

First quarter	\$37, 128, 80
Second quarter	
Third quarter	37, 288, 87
Fourth quarter	37, 165, 17
Tour out during during the second sec	011200121

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. WEATHER BUREAU—SALARIES—TEMPORARY.

Date.	Name.	Nature of payment.	Total.
1897. July 31 Aug. 31 Sept. 30	Lucy Payne et aldodo.	do	\$68. 20 68. 20 66. 10
Oct. 31 Nov. 30 Dec. 31	Total first quarter Lucy Payne et aldododo	Salariesdodo	68. 20 66. 10 68. 20
1898. Jan. 31 Feb. 28 Mar. 31	Total second quarter. Lucy Payne et al. do do Total third quarter	Salaries	69. 75 63. 00 69. 75 202. 50
Apr. 30 May 31 June 30	Lucy Payne et aldo	Salariesdodo	66. 80 68. 90 56. 41

RECAPITULATION.

Sec Thi	st quarterond quarter	202, 50 202, 50
L'OI	irth quarter	192.11
	Total	799, 61

WEATHER BUREAU-FUEL, LIGHTS, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1897. July 31 Aug. 11 26 31 Sept. 4 14 20	Joshua Carey et al. Geo. F. Bowman Melville Lindsay. Geo. A. Shehan Jno. Moran Washington Gaslight Co. Joshua Carey et al. Geo. F. Bowman Geo. A. Shehan Jno. Daly Geo. A. Shehan Jno. Daly Geo. A. Shehan Unashington Gaslight Co. Jas. B. Lambie Clarence E. McCoy Melville Lindsay M. Du Perow Watson Lyon. Geo. F. Bowman Joshua Carey et al.	Salaries Labor Lumber Resetting boilers. Lumber Gas. Supplies for repairs. Supplies for engine. do do Services Labor	\$353. 50 8. 80 2. 75 67. 61 25. 00 6. 70 393. 82 15. 50 12. 80 235. 00 23. 85 7. 70 6. 00 4. 24 2. 90 1. 50 10. 00 11. 40 398. 29
Oct. 1 4 5	Total first quarter. John Moran. J. T. Walker Sons. Charles Werner. Geo. White's Sons. Barber & Ross. Rudolph, West & Co. Williams & Hawks Thos. Somerville & Sons. Rudolph, West & Co. Washington Gaslight Co. International Fire Alarm Co.	Services and materials Lime Fuel Grate bars. Sharpening lawn mower Shears. Services Gasket Door checks, etc. Gas. Fire-alarm service.	1, 587, 36 10, 00 , 75 115, 81 65, 50 2, 00 1, 16 3, 00 22, 75 7, 47 12, 40 12, 50 12, 00

120 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

WEATHER BUREAU-FUEL, LIGHTS, AND REPAIRS-Continued.

Date	e.	Name.	Nature of payment.	Total.
1897	,			
Oct.	22	B. F. Larcombe	Plastering	\$9.00
	31	Joshua Carey et al	Salaries	438. 23
Nov.	3	Joshua Carey et al. Thos. Somerville & Sons Geo. F. Bowman. Washington Gaslight Co.	Salaries	8, 74
	6 15	Geo. F. Bowman	Gas	4. 50 13. 70
	19	Ino Moran	Mica	1.90
	16	Jno. Moran Chas. Werner	Coal	115.49
	18	Barber & Ross	Sharpening mowers Keys	2.00 5.00
	27	Jas. B. Lambie	Keys Coal	5.00
	30	The Allegheny Co Joshua Carey et al	Salaries	5. 25 407. 60
Dec.	3	Jno. S. Proctor Geo. F. Bowman M. O'Callaghan	Services	9. 68
	1	Geo. F. Bowman	Labor	13.50
		M. O'Callaghan	Repairs, Weather Bureau building	10.00
	8 16	P. F. Niland Washington Gaslight Co Geo. F. Bowman Hugh Reilly	Repairs to waste pipe	3.00 44.70
	18	Geo. F. Bowman	Gas. Moving rubbish, etc. Repairing windows.	11.60
	21	Hugh Reilly	Repairing windows	11.60 2.50
		do. Rudolph, West & Co. Thos. Somerville & Sons	Glass Brushes Supplies do	1.78
	29	Rudolph, West & Co	Brushes	2.50
	29	Royce & Marean	suppnes	3.60
	31	Joshua Carey et al	Salaries	8. 75 368. 70
			,	
		Total second quarter		1,727.06
1898	3 - 1			
Jan.	3	The Allegheny Co	Splint coal. Oak wood, 1 cord. Coal	5, 25
		Johnson Bros Chas. Werner	Oak wood, 1 cord	4. 53 120. 77
	16	Chas. Werner	Coal	120. 77
	17 25	Valentine Ruebsam	Manure	58. 50
	20	Washington Gaslight Co	Gas	22.30
	31	Mashington Gaslight Co. Goodyear Rubber Co. Chas. Werner. Joshua Carey et al.	Gas Supplies	12. 50 22. 30 15. 50
		Chas. Werner	Coal	119.65
The le	3	Joshua Carey et al	Salaries Removing rubbish Grate, etc. Services and material	377.30
Feb.	4	Geo. F. Bowman Jno. Moran	Grate etc	16. 40 4. 00
	4	Snith Pettit Rudolph, West & Co Hugh Reilly Chas. Werner The Allegheny Co.	Services and material	54.00
	8	Rudolph, West & Co	Locks	4.59
		Hugh Reilly	Glass Coal	. 58
	11 26	The Alleghery Co	Coaldo	119. 58 5. 25
	20	Chas. Werner	do	4. 65
		Chas. Werner Washington Gaslight Co	Gas	22.70
	28	Joshua Čarey et al Rudolph, West & Co	Salaries	340.47
Mar.	1	Rudolph, West & Co	Weather strips Removing rubbish	$ \begin{array}{c} 2.40 \\ 13.00 \end{array} $
	5	Geo. F. Bowman Chas. Werner	Coal	123.06
		Hugh Reilly	Coal	1.04
	9	Francis Miller	Oil	12, 50
4	11	Jas. B. Lambie		1.65
	11 23	Chas. Werner Hugh Reilly Francis Miller Jas. B. Lambie Washington Gaslight Co Thos. Somerville & Sons do W. A. Pate Chas. Werner Jng Moran	Compression bibbs Supplies Belt lacing	23.30 4.95
		do	Supplies	76.48
		W. A. Pate	Belt lacing	1.50
		Chas, Werner	Coal	119.65
		Jno. Moran	Repairing water nine etc	2.70 86.40
		P. T. Niland	Repairing water pipe, etc	1.50
		do. Joshua Carey et al	Repairing washstand	. 1.50
	31	Joshua Carey et al	Salaries	377.30
•		Total third quarter		2, 157. 45
Apr.	6	Geo. F. Bowman	Moving rubbish	12.40
		Standard Oil Co	Oil	8. 16 12. 50
	8 16	Instantaneous Fire Alarm Co	Gas	26. 40
	10	Hugh Reilly	Walnut stain, etc.	23. 00
	26	Royce & Marean	Walnut stain, etc	5.34
		Washington Gaslight Co Hugh Reilly Royce & Marean Hugh Reilly Chas. Werner		8.75
		Chas. Werner	Coal Sharpening mowers Salaries	119.65
	30	Barber & Ross Joshua Carey et al The Asbestus Paper Co.	Salaries	2.00 361.20
		The Ashestra Danes Co	Service and material	12.00
May	3	The Aspestus raper Co		
May	3 4 18	Geo. F. Bowman. Thos. Somerville & Sons	Removing rubbish, etc	9. 15 2. 00

WEATHER BUREAU-FUEL, LIGHTS, AND REPAIRS-Continued.

Date.	Name.	Nature of payment.	Total.
1898. May 18 21 June 8 13 23	Washington Gaslight Co. Chas, Werner M. J. Merrills J. T. Walker Sons Joshua Carey et al Hugh Reilly Geo. A. Shehan Washington Gaslight Co. Hugh Reilly Geo. L. Muth & Co. Joshua Carey et al	Repairing mowers Lime Salaries Pane of glass Lumber Gas Glass White lead Salaries	\$22, 90 115, 28 2, 00 . 755 372, 60 . 89 10, 38 22, 10 1, 99 5, 10 361, 20 11, 85
	Total fourth quarter		1, 529. 59
July 7 Aug. 6 17 19 20 Sept. 6 Oct. 8	Supplemental. M. O. Callaghan J. Edward Turton Washington Gaslight Co Jno. Moran J. Edward Turton Jno. Moran J. Edward Turton Jno. Moran Instantaneous Fire Alarm Co M. J. Merrills Total	Repairing Weather BureauGas Gas Services do do Rent of fire-alarm boxes Sharpening mowers, etc	5. 00 675. 00 18. 20 1. 25 15. 00 48. 50 12. 50 2. 00

RECAPITULATION.

First quarter	\$1, 587, 36
'Second quarter.	1,727.06
Third quarter	
Fourth quarter Supplemental	1, 529, 59
Supplemental	777.45

WEATHER BUREAU-CONTINGENT EXPENSES.

	<u> </u>		
Date.	Name.	Nature of payment.	Total.
1897.			
July 31	Capital Traction Co	Street-car tickets	\$12.50
Aug. 4	Danenhower & Co	Forage	12.59
11	Geo. Meier & Co	Supplies	1. 20 12. 50
11	C. S. Braisted. W. M. Galt & Co	Peliciis	9, 80
	Newman & Son		4.50
	Union Typewriter and Supplies Co	do	2, 00
	do	do	. 50
	J. C. Ergood & Co	Brooms, soap	27, 31
	E. Morrison Paper Co	Rubber bands	106, 17
	Wilmarth & Edmonston	Tumblers	1.65
17			33. 95
	Mackall Bros. & Flemer		44. 67
	R. Carter Ballantyne	Stationery	170.84
	E. M. Willis	Ice	42.63
· 20		Towels, etc	85. 50
20	John C. Parker	Card board, etc	26. 90
	Easton & Rupp Lutz & Co.	Stationery	98. 22 65. 00
	do	Horse brushes.	3, 75
	Pearce & Lawton	Services	1, 50
	Mackall Bros. & Flemer.	Supplies	5, 60
	W. A. Pate	Excelsior	6, 25
	Jno. Nawrath	Twine, etc	48. 20
28	Chadwick Copying Book Co	Letter-copying books	56.00
Sept. 4	S. P. Johnson	Typewriter ribbons	5.00
	Jas. B. Lambie	Hinges, etc	7. 60
	S. J. Meeks	Spring wagonLumber	162, 75
	Geo. A. Shehan	Lumber	138. 45
	W. G. Duckett	UII	1.00

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Date.
1897.			
Sept. 4	Danenhower & Co	Forage	\$10.9
	M. G. Copeland & Co	Flags	38. 2
	Union Typewriter and Supplies Co	Repair of caligraph	7. 3
	M. G. Copeland & Co Union Typewriter and Supplies Co do Adams Express Co	Flags Repair of caligraph do Transportation	4. 6 8. 3 2. 5
16	Adams Express Co. C. Becker. United States Express Co. Jno. C. Parker W. H. Lowdermilk & Co. Rudolph, West & Co. Hugh Reilly. F. P. May & Co. Fred A. Schmidt C. C. Smoot & Sons Co. J. H. Bunnell & Co. C. S. Braisted		2.5
	United States Express Co	Transportation Paper Books Wheelbarrows, etc.	16.0
	Jno. C. Parker	Paper	40.4
	Rudolph West & Co	Wheelberrows etc	6.8 101.7
	Hugh Reilly	Glass	2.9
	F. P. May & Co	Class	5. 4
10	Fred A. Schmidt	Joharmet paper, etc	8. 1 8. 2
18	I H Ruppell & Co	Supplies	8. 2 156. 0
	C. S. Braisted	Pencils .	2. 1
20	C. S. Braisted M. Du Perow	Pencils Electric-motor fan	$ \begin{array}{c} 2.1 \\ 12.1 \end{array} $
	do	Electrical supplies	6, 7
	Lutz & Co.	Repairing Supplies Repairing and relaying carpets Supplies Supplies Repairing are relaying carpets Repairing and relaying carpets Repairing are relaying carpets Repairing and relaying carpets Repairing Supplies Repairing	* 1.7 9.0
	Belt & Dyer Albert Kahlert	Repairing and relaying carnets.	5.8
	Geo. F. Muth & Co	Supplies	13. 4
	E. M. Willis		40.1
	Union Typewriter and Supply Co	Repairing caligraph	5.9
	S. P. Johnson	Typewriter ribbons	$\frac{2.0}{47.5}$
	Jas. B. Lambie W. B. Moses & Sons. Jno. C. Parker.	Repairing caligraph Repairing typewriter Typewriter ribbons Leather belting	2.3
	W. B. Moses & Sons.	Furniture	8.7
	Jno. C. Parker	Stationery	319. 5
	Total first quarter		2, 089. 6
Oct. 1	Wyckoff, Seamans & Benedict	Repairing typewriter	1.5
	E. J. Pullman Geo. F. Muth & Co	Prints from negatives Kerosene oil	5.0 1.2
	Ino C Porker	Standard Dictionary	15. 0
	United States Express Co The J. F. W. Dorman Co. Adams Express Co. W. M. Galt & Co.	Standard Dictionary Transportation Daters Transportation	7. 1 2. 5
	The J. F. W. Dorman Co	Daters	2. 5
	Adams Express Co	Transportation	12. 5 10. 0
	Danenhower Co	Forage do Penholders	7. 7
2	Danenhower Co- Columbia Rubber Works Co	Penholders	7. 7 5. 1
4	Mackall Bros. & Flemer Pearre E Crowl & Co	Rubber tubing, etc	9.4
	A. E. Foot	Numbering machine	$10.5 \\ 12.5$
	M Du Perow	Books Call beli	2. 2
	F. P. May & Co Peoples' Dispatch Co Barber & Ross Easton & Rupp	Clipper, currycomb, etc	2. 3
5	Peoples' Dispatch Co	Drayage .	1.5
	Barber & Ross	Washing paper	1.1 13.1
14	C. J. Braisted	Pencils	2.1
	The J. F. W. Dorman Co.	Ink pads	6.6
20	C. J. Braisted. The J. F. W. Dorman Co. Burrelle's Press Clipping Bureau	Press clippings	5.3
22		Call bell Clipper, curryeomb, etc Drayage Hooks Wrapping paper Pencils Ink pads Press clippings Repairing shafts Cards	15. 5 9. 0
	Library Bureau Rudolph, West & Co The Chesapeake and Potomac Telephone Co. E. M. Willis	Cards. Pliers Rent of telephone Lee	1.7
	The Chesapeake and Potomac Telephone Co.	Rent of telephone	25.0
	E. M. Willis	Ice	34. 5
0.5	Royce & Marean Engene M. Tilden Daneuhower & Co. Mackall Bros. & Flemer	Ice Electrical supplies	9.2
. 25	Dependent & Co	Foregre	6. 6 11. 3
	Mackall Bros. & Flemer	Soda, carbonate	1. 1
	W. M. Galt & Co	Uats	9.8
27	Disbursing clerk, Post-office Department	Maps	45.6
Nov. 3	Mackari Bios. & Fieller W. M. Galt & Co Disbursing clerk, Post-office Department Adams Express Co United States Express Co. Rudolph, West & Co.	Transportationdo	4.8 2.1
4	Rudolph, West & Co	Nippers, wire, etc	3.3
	Lutz & Co	Saddle, pad, etc	4.0
	The Smith Premier Typewriter Co	Repairing typewriter	4. 0 92. 2 10. 9
	Chadwick Conv Rook Co	Typewriter	92.2
15	J. R. Buckelew Chadwick Copy Book Co Philadelphia, Wilmington and Baltimore	Nippers, wire, etc Saddle, pad, etc Repairing typewriter Typewriter Letter books Transportation	. 6
	W. M. Patton.	Hudson's word register	5.0
			0.0
	W. M. Galt & Co	Oats	9.8
	R. R. Co. W. M. Patton. W. M. Galt & Co E. M. Willis Logan, Swift & Brigham Envelope Co	Oats Ice Envelopes Medicine	30. 5 11. 4

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

I	ate.	Name.	Nature of payment.	Total.
1	897.			
	v. 15	W. B. Moses & Sons	Desks	\$50. 25 5. 20
	16	United States Express Co	Transportation	5. 20
				8.00
	17	Standard Oil Co. W. H. Hoeke. The Freidenwald Co. Burrelle's Press Clipping Bureau Juo. C. Parker.	Window shades	2.90 23.00
	17	Burrallo's Press Clipping Burran	Weather report wrappers	4.50
	18	Jno C Parker	Press albums, etc	29. 50
	10	do	Typewriter ribbons Supplies Repairs to caligraph do Oil	9.00
		Barber & Ross Union Typewriter and Supply Codo Geo. F. Muth & Co. Danenhower & Co. Easton & Rupp. W. M. Galt & Co. Newman & Sons	Supplies	10.00
		Union Typewriter and Supply Co	Repairs to caligraph	5.40
		do	do	6, 50
		Geo. F. Muth & Co	Oil	17.85
		Danenhower & Co	Forage	9.71
	27	W M Colt & Co	Oots	6.33 9.80
	21	Vowmen & Sone	On Forage Envelopes Oats Typewriter ribbons Transportation	9.90
De	e. 3	Newman & Sons Adams Express Co. The Mc Dermott Carriage Co. Wyckoff, Seamans & Benedict	Transportation	36.90
200	0. 0	The McDermott Carriage Co	Supplies Repairing typewriter	4, 00
	8	Wyckoff, Seamans & Benedict	Repairing typewriter	4.00 7.50
				1.50
		Easton & Rupp	Paste Repairing tank	7.50
		Albert Kahlert & Co	Laying carpet	7.60
	16	Easton & Rupp Albert Kahlert & Co. Geo. Meier & Co. Smithsonian Institution	Bronze liquid	. 90 19. 16
	10	E M Willia	Transporting exchanges	
		Smithsonian Institution E. M. Willis S. J. Meeks G. E. Stechert The Smith Premier Typewriter Co do Hugh Reilly Geo. F. Muth & Co Rudolph West & Co do John C. Parker do W. M. Galt & Co Danenhower & Co	Ice	23. 25 3. 00
	17	G. E. Stechert	Services	5. 00
	21	The Smith Premier Typewriter Co	Repairing typewriter	1. 50
		do	do	. 50
		Hugh Reilly	do Supplies Lamp chimneys Hinges, etc. Supplies Ink Services	. 50 2. 25
		Geo. F. Muth & Co	Lamp chimneys	1.32
		Rudolph West & Co	Hinges, etc.	2.48
		T-b- C Db	Supplies	3. 22
		John C. Parker	Ink	2. 48 3. 22 7. 50 2. 75 9. 80
	29	W M Colt & Co	Oats	2. 73
	20	Danenhower & Co	Storage	6. 94
		Lutz & Co	Harness and hoof dressing	1, 25
		do Jno. D. Frazee	Repairing horse blankets Towel service	2.00 12.55
		Jno. D. Frazee	Towel service	12.55
		United States Express Co	Transportation	2.95
		Motol accord assets		005 05
		Total second quarter		865. 07
1	898.			
Jar		G. E. Stechert	Publications	2,38
	10	Lutz & Co	Supplies	1, 75
		Lutz & Co Adams Express Co.	Supplies Transportation	1.75 7.50
	17	Jos. A. Renehan	Horse	120.00
	20	Library Bureau	Cards	4, 50
	25	John C. Parker	Services and supplies	28. 50
		Library Bureau John C. Parker Wyckoff, Seamans & Benedict Rudolph, West & Co	Services and supplies	7.50
		E W Willis	Teo	3.00 19.56
		E. M. Willis W. M. Galt & Co Danenhower & Co Burrelle's Press Clipping Bureau Los B. Lowbio		7. 00
		Danenhower & Co	Forage	12. 19
Fe		Burrelle's Press Clipping Bureau	Forage Press clippings Hooks and tacks	4,60
	4	Jas. B. Lambie Clarendon Smith	Hooks and tacks	2, 25
		Clarendon Smith	Peat moss	1. 50
		Rufus P. Clarke	Towels	79. 20
		C. S. Braisted	Pencils	15. 12
		United States Express Co	Telephone service	25.50
	8	Rudolph West & Co	Transportation Suppliesdo	6. 15
	Ü	do	do	20. 15 2. 72
		F. P. May & Co.	Locks	5. 88
		Jas. B. Lambie	Supplies	3.54
		W. B. Moses & Sons	Supplies	3. 40 15. 50
		C. S. Braisted. Chesapeake and Potomac Telephone Co. United States Express Co. Rudolph, West & Codo. F. P. May & Co. Jas. B. Lambie W. B. Moses & Sons Jno. C. Parker	Directory of Washington City, etc.	15. 50
			Directory of Washington City, etc. Ribbons for typewriter Directory of Washington, D. C	15. 12
		do	Directory of Washington, D. C	5. 00
	10	do Smithsonian Institution	Repairing fountain pen	1.00
	10	Geo. F. Muth & Co	Supplies	36.42 9.62
		Geo. F. Muth & Co Chas. R. Edmonston	Transportation of exchanges Supplies Filtering tubes Lumber	3.00
		Geo A Shahan	Lumber	97. 25
		do. A. Shehan	do	29. 88
		E. Morrison Paper Co	Rubber bands	

124 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898--Cont'd.$

WEATHER BUREAU-CONTINGENT EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
eb. 10	M. Du Perow The Smith Premier Typewriter Codo. W. M. Galt & Co. Danenhower & Co The J. F. W. Dorman Co.	Supplies	\$12.
	The Smith Premier Typewriter Co	Repairing typewriter	5.
	W M Call & Ca	Reparing typewriter Stands to typewriter Oats Forage Rubber logotypes Mucilage Lubricating companies	2.
	Dependence & Co	Forego	10.
21	The J. F. W. Dorman Co.	Rubber lagatypes	2.
21		Mucilage	7.
far. 1	Thos. Somerville & Sons Mackall Bros. & Flemer Rudolph, West & Co John C. Parker	Muchage Lubricating compounds Sapplies Waste cotton, etc	3.
	Mackall Bros. & Flemer	Sapplies	35.
	Rudolph, West & Co	Waste cotton, etc	47. 130.
	John C. Parker		130.
		Binder. Supplies Transportation do	2.
	do Adams Express Co	Supplies	4.
	Adams Express Co	Transportation	1.
	do	do	
	United States Express Co	do	3. 6.
	F. T. Dulmon	Glue Lantern slides	5.
	Fasten & Pupp	Supplies	32.
	Capital Traction Co	Supplies	20.
2	G. E. Stechert	Publications	26.
_	The American News Co	Supplies	6
	Adams Express Co. do United States Express Co. F. M. May & Co. E. J. Pullman Easton & Rupp Capital Traction Co. G. E. Stechert The American News Co. E. A. Dreyfus J. C. Ergood & Co. W. M. Galt & Co. The White-Corbin Co. G. E. Stechert	Supplies	10.
4	J. C. Ergood & Co	Soap	23
	W. M. Galt & Co	Soap Oats Envelopes Publications	9.
	The White-Corbin Co	Envelopes	13
	G. E. Stechert	Publications	
	do	Subscriptions	3
5	Hugh Reilly The Smith Premier Typewriter Co Standard Oil Co E. M. Willis	snoscriptions Supplies Typewriter Oil Ice Supplies	1.
	The Smith Premier Typewriter Co	Typewriter	90
	Standard Ull Co	Ull	19
	Chas. R. Edmonston	Complian	8.
	Andrew I Toyee Corriege Co		1
	W B Masae & Sane	Folt	1 9
9	Andrew J. Joyce Carriage Co W. B. Moses & Sons Jno. C. Parker E. M. Willis	Felt Stationery	164
·	E. M. Willis	Tce	17
	Danenhower & Co	Forage. Horse cover, whip, etc	12
11	Danenhower & Co Lutz & Co	Horse cover, whip, etc	12 12
	Ino D Frazee	Towel service	. 5
	Clarendon Smith	Peat moss	1.
17	Clarendon Smith Pearre E. Crowel & Co C. S. Braisted	Numbering machine	9.
	C. S. Braisted	Pencils	2.
23	Wm. Patrick Jno. C. Parker	Office expenses	
	Jno. C. Parker	Repairing typewriter Type printer for typewriter	10
	do	Type printer for typewriter	6
	do	Clips, etc.	5 4
	The I F W Dorman Co	Logotype helders	10
	The J. F. W. Dorman Co Union Typewriters' and Supplies Co. Rudolph, West & Co	Seals, etc. Logotype holders Repairing caligraph Manila rope Supplies Putz pomade, etc Transportationdo Lumber Repairing typewriter Supplies Oats Pads	8
	Rudolph, West & Co.	Manila rope	2
	do	Supplies	$\tilde{7}$
	(0	Putz pomade, etc	1
		Transportation	5
	Adams Express Co	do	12
	United States Express Co. Adams Express Co. Geo. A. Shehan. The Smith Premier Typewriter Co. R. C. Ballantyne W. M. Galt & Co. J. F. W. Dorman & Co.	Lumber	5
	The Smith Premier Typewriter Co	Repairing typewriter	24
	K. C. Ballantyne	Supplies	61
24	W.M. Gall & Co	Pads	9
. 24			
	Total third quarter		1, 691
pr. 2	Danenhower & Co	Forage	8
	Mational Coognaphia Society	Books	36
	H. H. Brown Jas. B. Lambie J. E. Turton	Supplies Shelf rests	2
	Jas. B. Lambie	Shelf rests	. 1
	J. E. Turton		23.
,	Lutz & Co- C. A. Muddiman & Co-	Hoof dressing	1.
4	U.A. Muddiman & Co.	Dropinght	2.
	J. C. Parker	Ink	2
	The A I I Toyee Comies Co	Panaire to carriage	1.
	J. C. Parker F. P. May & Co The A. J. Joyce Carriage Co Wyckoff, Seamans & Benedict	Hoof dressing Droplight Ink Locks Repairs to carriage Typewriter stand Envelopes	2.
	Easton & Rupp	Envelopes	8.
	Easton & Rupp The Springfield Engraving Co Library Bureau W. B. Moses & Sons	Index cards Office furniture	1.
	Library Burgan	Index cards	î.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 7	Mackall Bros. & Flemer	Vaseline, etc	\$2, 2
Lipit,	Union Typewriter and Supplies Co	Repairing caligraph	5. 9
	Rudolph, West & Co	Nails	3.8
8	The A.J. Joyce Carriage Co	Photographic supplies	6.0
	J. C. Parker	Paper.	3.6 47.8
	Mackall Bros. & Flemer. Union Typewriter and Supplies Co. Rudolph, West & Co. The A. J. Joyce Carriage Co. H. H. Brown J. C. Parker N. T. Imlay.	Repairing cangraph Nails Repairs to carriage Photographic supplies Paper Repairing chair seat	1.0
	E. M. Willis	Mounting mana	24.8
9 22	The Chesaneake and Potomac Telegraph Co	Telegraph service	10.0 33,7
22	Belt & Dyer	Sawdust	2. 0 7. 5
	E. M. Willis J. E. Turton The Chesapeake and Potomac Telegraph Co. Belt & Dyer. The Smith Premier Typewriter Co. do J. D. Frazee	Repairing chair seat Lice Mounting maps. Telegraph service Sawdust Repairs to typewriter do Washing towels Varnish Castor oil, etc. Seratch books	7. 5
	I D Frago	Washing towals	6. 0 2. 8
	Hugh Reilly	Varnish	2.0
26	J. D. Frazee Hugh Reilly Whiteside & Walton J. C. Parker do Easton & Rupp Lutz & C.	Castor oil, etc	2. 6 27. 8
	J. C. Parker	Scratch books Blotting paper	27.8
	Factor & Rupp	Card.	41.8 112.2
	Lutz & Co	Set of harness	1. 2
	Lutz & Co. W. B. Moses & Sons. J. D. Frazee	Office furniture	317.4
	J. D. Frazee	Washing towels	3. 6 12. 7
	Danenhower & Co. E. A. Dreyfus	Forage. Repairing caligraph do Transportation	6.5
	L. A. Dreynis Union Typewriter and Supplies Co Adams Express Co Jno. P. Nawrath The J. F. W. Dorman Co Burrelle's Press Clipping Bureau.	do	7.1
	Adams Express Co	Transportation	4.9
May 2	Jno. P. Nawrath	Trune	35. 0
	Burrelle's Press Clinning Bureau	Stamps Press clippings Oil	2, 5 4, 8
3	Geo. F. Muth & Co	Oil	5. 6
	Rufus P. Clarke	Linen	3.0
	The Springfield Envelope Co	Envelopes	69. 2 6. 6
	United States Express Co	Envelopes Repairing typewriter Transportation	4. 2
	W. M. Galt & Co		9.8
18	Union Typewriter and Supplies Co	Repairing caligraph	1.5
	Geo, F. Muth & Co Rufus P. Clarke. The Springfield Envelope Co. Wyckoff. Seamans & Benedict. United States Express Co. W. M. Galt & Co. Union Typewriter and Supplies Co. Belt & Dyer. Danenhower & Co. Easton & Rupp Albert Kahlert & Co. James B. Lambie Lutz & Co. Clarence Smith	Repairing caligraph Sawdust Forage	3.0 12.3
	Easton & Rupp	Pads	7. 5
	Albert Kahlert & Co	Pads Taking up and storing carpets	11.8
	James B. Lambie	Rings, pulls, etc. Repairing saddle	1.9
	Clarance Smith	Repairing saddle Peat moss.	4. 7 3. 0
	Clarence Smith Rudolph. West & Co J. R. Bnckelew Union Typewriter and Supplies Co J. E. Turtondo R. Carter Ballentyre	Hinges, etc	4.7
	J. R. Buckelew	Paper. Repairs to caligraph.	7. 5
	Union Typewriter and Supplies Co	Repairs to caligraph	20. 4
	J. E. Turton	Stick rollers	· 10.0
	R. Carter Ballantyne Jno. C. Parker	Inkstands	6.5
	Jno. C. Parker	Inkstands Ink	3.0
	do	Paper. Typewriter brushes	29.7
	Pearce & Lawton	Strans etc	4, 0 1, 7
	Mellville Lindsay	Maps Lantern slides	8. 5
	do. Geo. F. Muth & Co. Pearce & Lawton. Mellville Lindsay E. H. Pullman Geo. A. Shehan Hilton & Hilton E. M. Willis The Springfield Envelope Co. Neostyle Co. W. H. Hoeke Jno. Moran.	Lantern slides	10.0
	Geo. A. Shehan	Lumber Insect powder Ice	136. 8
	E. M. Willis	Ice	1. 0 25. 7
	The Springfield Envelope Co	Envelopes Paper, ink, etc Window shades. Repairing water cooler	4. 8
19	Neostyle Co	Paper, ink, etc	7.0
21	Jno. Moran	Window shades	30.7 5.0
	J. Baumgarten & Sons	Rubber stamps	43.9
	J. Baumgarten & Sons. Smithsonian Institution. Wyckoff, Seamans & Benedict.	Transporting exchanges	33. 2
	Wyckoff, Seamans & Benedict	Repairing typewriter	7. 3
	Jno. C. Parkerdo	Perforating silk	9. 0 4. 5
	W. B. Moses & Sons	Chairs, etc.	9. 2
	W. B. Moses & Sons	Carpet, desk, etc	52. 4
inno 1	W. M. Galt & Co. The White-Corbin Co Hugh Keilly. W. B. Moses & Sons	Repairing water cooler Rubber stamps Transporting exchanges Repairing typewriter do Perforating silk Chairs, etc Carpet, desk, etc Oats Envelopes	9.8
June 1	Hugh Reilly		29. 2 3. 7
	W. B. Moses & Sons	Whitewash brush Furniture	112. 9
	Rudolph, West & Co	Screws	4.5
	Rudolph, West & Co. Barber & Ross. C. E. Stanton W. A. Pate	Hooks	1. 5
	W. A. Pate	Typewriter, etc	99. 2 5. 3
	Jas. B. Lambie	Troughs, etc	8. 8

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
June 8	Jas. B. Lambie	Guards	\$7.50
	Easton & Rupp. W. G. Duckett. Jno. C. Parker. Woodward & Lothrop.	Eyelets Soap liniment.	7. 50
	W. G. Duckett.	Soap liniment	1. 35
	Woodward & Lothron	Paper. Oiled silk	50. 50 3. 00
	W. W. Trego.	Lantern	1.50
	W. W. Trego. Whiteside & Walton Lutz & Co. Wyckoff, Seamans & Benedict.	Medicine	. 60 3. 75 5. 55
	Lutz & Co.	Halter chains, etc	3. 75
	Wyckoff, Seamans & Benedict	Repairing typewriter	5.55
	Wyckoff, Seamans & Benedict. Adams Express Co. United States Express Co Mackall Bros. & Flemer Smith Premier Typewriter Co. Wyckoff, Seamans & Benedict.	Transportationdo	16.65 4.20
13	Mackall Bros. & Flemer	Spanges	6. 25
10	Smith Premier Typewriter Co	Sponges Repairing typewriter	8,50
	Wyckoff, Seamans & Benedict	Typewriter, etc. Forage	103.50
			12.70
16	Lutz & Co	Carriage reins, etc	5. 25 27. 88
10	Lutz & Co. E. M. Willis W. M. Galt & Co.	Carriage reins, etc	9.80
			24. 30
	Union Typewriter and Supplies Co	Repairs to caligraph	8. 20
18	Asa L. Shipman's Sons	Adhesive files	8.40
21	The Columbia Rubber Works Co	Fans. Repairs to caligraph. Adhesive files Penholders	3. 21
23	M. Du Perow. Union Typewriter and Supplies Co. Asa L. Shipman's Sons. The Columbia Rubber Works Co. Jno. P. Nawrath. W. B. Moses & Sons The Neostyle Co. Jas. B. Lambie. Whiteside & Walter.		14.00 35.50
20	The Neostyle Co	Rotary neostyle	50.00
	Jas. B. Lambie	Supplies	12.41
-			1.10
	J. R. Buckalew		103. 50
	Lutz & Co	Ull	3.80 4.90
	Lutz & Co Rudolph, West & Co M. Du Perow D. W. Stockstill	Typewriter Oil Halyards Electric fan	12. 15
	D. W. Stockstill	Iron sheller Washing towels Ink pads	105. 00
24	Jno. D. Frazee. The J. F. W. Dorman Co	Washing towels	6.41
25	The J. F. W. Dorman Co	Ink pads	5.00
	Total famith anantan		2, 434. 58
	Total fourth quarter		2, 454. 56
1898.		·	
July 5	Hugh Reilly	Supplies	4.88
	S. J. Meeks	Repairs to mail wagon	2. 50
	Z. D. Gilman Mackall Bros. & Flemer	Supplies	2.80 2.28
	M. Du Perow.	Electric fan	12. 15
		Cord	2.50
	Danenhower & Co	Forage	10 00
7	Jas. B. Lambie		12.66
16	THE AL CO. III C. C.	Tacks	1.00
	W. M. Galt & Co	Tacks Forage	1.00 9.80
	W. M. Galt & Co Geo. F. Muth & Co Whiteside & Walton	Tacks Forage Asphaltum Medicine for horse	1.00 9.80 2.25
23	W. A. Pate Danenhower & Co Jas. B. Lambie W. M. Galt & Co Geo. F. Muth & Co Whiteside & Walton E. M. Willis	Tacks Forage A sphaltum Medicine for horse Ice	1.00 9.80 2.25 1.35
26	W. M. Galt & Co Geo. F. Muth & Co Whiteside & Walton E. M. Willis M. Silverberg	Tacks Forage Asphaltum Medicine for horse. Ice. Molding	1.00 9.80 2.25 1.35 33.35 6.00
	M. Silverberg Albert Kablert	Tacks Forage Asphaltum Medicine for horse Ice Molding Services	1.00 9.80 2.25 1.35 33.35 6.00 8.00
26	M. Silverberg Albert Kablert	Tacks Forage Asphaltum Medicine for horse Ice Molding Services	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00
26	M. Silverberg Albert Kablert	Tacks Forage Asphaltum Medicine for horse Ice Molding Services	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00 5.50
26	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00 5.50 6.35
26	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportationdo Symplies	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00 5.50 6.35
Aug. 6	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Library Bureau Library Bureau Lower Typewriter Co Adams Express Co United States Express Co Juo C. Parker	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportationdo Symplies	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00 5.50 6.35
Aug. 6 16 17	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Library Bureau Library Bureau Lower Typewriter Co Adams Express Co United States Express Co Juo C. Parker	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 33.35 6.00 75.00 5.50 5.95 6.35 41.55 22.59 17.05
Aug. 6	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Library Bureau Library Bureau Lower Typewriter Co Adams Express Co United States Express Co Juo C. Parker	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 33.35 6.00 5.50 5.95 6.35 41.55 22.59 17.05
Aug. 6 16 17 18	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Library Bureau Library Bureau Lower Typewriter Co Adams Express Co United States Express Co Juo C. Parker	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 6.35 41.55 22.59 17.05 3.40 35.16 6.75
Aug. 6 16 17	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Library Bureau Library Bureau Lower Typewriter Co Adams Express Co United States Express Co Juo C. Parker	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 6.35 41.55 22.59 17.05 3.40 35.16 6.75
Aug. 6 16 17 18	E. M. Willis M. Silverberg Albert Kahlert. Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co Whiteside & Walton H. H. Brown	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 33.35 6.00 8.00 75.00 5.50 6.35 41.55 22.59 22.59 21.06 6.75 .50
16 17 18 19	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co Whiteside & Walton H. H. Brown do	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation	1.00 9.80 2.25 1.35 6.00 8.00 5.50 5.50 6.35 41.55 22.59 17.05 33.40 35.16 6.75 7.73 2.13
Aug. 6 16 17 18	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shellan Adams Express Co Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co Whiteside & Walton H. H. Brown do	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportationdo Supplies Lumber Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 6.35 41.55 22.59 17.05 3.40 35.16 6.75 7.73 2.13 24.76
16 17 18 19	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do do Geo. F. Cram M. Du Perow	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation Transportation Press clippings Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Mans Pleatrie for	1.00 9.800 2.25 1.35 6.00 8.000 5.50 5.55 6.35 41.55 22.59 17.05 35.16 6.75 22.13 24.76 6.30
16 17 18 19	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do do Geo. F. Cram M. Du Perow	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation Transportation Press clippings Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Mans Pleatrie for	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 6.35 41.55 22.59 17.05 3.40 35.16 6.73 7.73 2.13 24.76 6.30 12.15 3.60
16 17 18 19	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do do Geo. F. Cram M. Du Perow	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation Transportation Press clippings Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Mans Pleatrie for	1.00 9.80 2.25 1.35 6.00 8.00 5.50 5.50 6.35 41.55 22.59 17.05 35.16 6.75 7.73 2.13 24.76 6.30 12.15 3.62 99.00
16 17 18 19	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do do Geo. F. Cram M. Du Perow	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation Transportation Press clippings Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Mans Pleatrie for	1.00 9.80 9.80 2.25 1.35 6.00 8.00 75.00 5.50 5.55 6.35 41.55 22.59 17.05 7.73 2.13 24.76 6.30 12.15 3.62 99.00
26 Aug. 26 6 16 17 18 19 20	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do Geo. F. Cram M. Du Perow Jno. D. Frazee Smith Premier Typewriter Co Library Bureau	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Maps Electric fan Washing towels Typewriter Card catalogue, etc Services and supplies	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 5.50 6.35 41.55 22.59 17.05 35.16 6.75 3.40 35.16 6.75 3.40 12.15 3.62 99.00 164.00
Aug. 26 4 16 17 18 19 20	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do Geo. F. Cram M. Du Perow Jno. D. Frazee Smith Premier Typewriter Co Library Bureau	Tacks Forage. Asphaltum Medicine for horse Ice. Molding Services Desk, etc. Repairing typewriter Transportationdo Supplies Lumber. Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry platedo Maps Electric fan Washing towels Typewriter Card catalogue, etc Services and supplies Push buttons Carnets	1.00 9.80 2.25 1.35 6.00 8.00 75.00 5.50 5.50 6.35 41.55 22.59 17.05 35.16 6.75 3.40 35.16 6.75 3.40 12.15 3.62 99.00 164.00
26 Aug. 26 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do Geo. F. Cram M. Du Perow Jno. D. Frazee Smith Premier Typewriter Co Library Bureau	Tacks Forage. Asphaltum Medicine for horse Ice. Molding Services Desk, etc. Repairing typewriter Transportationdo Supplies Lumber. Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry platedo Maps Electric fan Washing towels Typewriter Card catalogue, etc Services and supplies Push buttons Carnets	1.00 9.80 2.25 1.35 33.35 6.00 8.00 5.50 5.50 6.35 41.55 22.59 17.05 33.40 35.16 6.75 2.13 24.76 6.30 12.15 3.62 99.00 164.00 7.90 3.00 7.70 2.13
Aug. 26 4 16 17 18 19 20	E. M. Willis M. Silverberg Albert Kahlert Library Bureau Smith Premier Typewriter Co Adams Express Co United States Express Co Jno. C. Parker Geo. A. Shehan Adams Express Co. Burrelle's Press-Clipping Bureau Smithsonian Institution Logan, Swift & Brigham Envelope Co. Whiteside & Walton H. H. Brown do do Geo. F. Cram M. Du Perow	Tacks Forage Asphaltum Medicine for horse Ice Molding Services Desk, etc Repairing typewriter Transportation do Supplies Lumber Transportation Press clippings Transporting exchanges Envelopes Prescription for horse Supplies Dry plate do Maps Electric fan Washing towels Typewriter Card catalogue, etc Services and supplies	1.00 9.80 9.80 2.25 1.35 6.00 8.00 75.00 5.50 5.55 6.35 41.55 22.59 17.05 7.73 2.13 24.76 6.30 12.15 3.62 99.00

WEATHER BUREAU-CONTINGENT EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1898. Oct. 1 18	Jno. C. Parker Cleveland Cycle Co. Jno. C. Parker Total	Bicycle Clips	\$5, 70 55, 00 5, 00 825, 46

RECAPITULATION.

Seco	t quarter und quarter d quarter th quarter plemental	865, 67 1, 691, 68 2, 434, 58
	Total	7, 906. 45

WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1897.			
aly 21	D. P. McCallum	Expressage.	\$4.
26	Frank O. Stetson	Traveling expenses	19.
31	Wm. McLaughlin	Drayage	5
	Jno. P. Church et al	Salaries, printing office	2, 333
	W. F. R. Phillips et al		168
ug. 4	J. C. Entwistle		5
5	U. G. Pwissett	Office expenses	1
7	The Perkins Crews F. and P. Co	Carpet	39
	The Brown, Eager & Hull Co	Typewriter	92
	Jno. Jordt	Linoleum	50
	Crook, Homer & Co	Pliers	1
	W. B. Smead & Co	Case for office	15
	S. S. Bassler	Office expenses	1
	Geo. M. Chapple	do	3
	Schminke & Newman	Repairing cable	15
	Edwin P. Ramage	Running cable	10
	F. D. Johnson & Son	Cleaning clock	2
	Eimer & Amend	Supplies	4
	Juo. Wanamaker	Bookcase	14
	A. L. Clark & Co	Awning	6
	H. C. Strong	Grindstone	3
	Clark & Turner Manufacturing Co	Flags	3
	Jno. F. McLean	Oils, etc	9
	Ross & Co	Ink, etc	1
	Howerton, Marden & Johnston	Ink, mucilage, etc	6
	City Drug Store	Benzine. etc	2
11	Luce Bros.	Office chairs	6
	Central Drug Store	Varnish	
	The Wagner Manufacturing Co	Flags	40
	Geo. W. Anderson & Sons	Carpet	26
	Loring & Co	Blotter bath	4
	S. J. Lutz & Co.	Coal oil.	7
	A. C. Smith	Gasoline	_
	G. M. Lauridson	Oil.	7
	L. Graham & Sons, Limited	Supplies	4
	Andrew Renz.	Screws for printing office	2
	Wilmarth & Edmonston J. Edwd. Turton	Tumblers	4
		Shelters and supports	142
	Rufus P. Clarke	Linen and towels	132
	Thos. P. Goble (postmaster)	Post-office box	1
	Wm. Ballantyne & Sons	Books	203
	J. C. Ergood & Co S. A. D. Kiester	Soap	39
	Sterchi Bros.	Ink, etc	3
	N. Werner	Laying carpet	2
	C. R. Viney	Making supports	1 7
	H. G. Willis	Painting, etc	7
	O. Buchanan	Repairing office furniture	9
	Alfred Evans	Cleaning office	8
	Jas. C. Rooney	Painting flagstaff Services	6
	Alban Faulkner		2 81
	Geo. M. Chappel	Services and material	
	осо. ш. Спаррег	Traveling expensesdo	3

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
Aug. 17	W. B. Moses & Sons	Feather dusters, etc	\$49.84
	· Mackall Bros. & Flemer	Toilet soap, etc	54. 50
	do Rufus B. Clarke	Alcohol Needles	24.50
	J. Edwd. Turton.	Packing boxes	. 60 85, 00
20	J. M. Gore	Erecting instrument shelters	15.00
	C. F. Jones	Repairing telegraph line	2.50 6.00
	Blake, Moffitt & Towne	Paper	3.50
	G. M. Harritt Blake. Moffitt & Towne Am. Type Founders Co Julian P. Friez	Hauling office furniture Paper Supplies do Traveling expenses Salaries, substations	4.30
	Julian P. Friez	Traveling expanses	575, 00 48, 22
	E. A. Beals Pay roll, Columbus, Ohio	Salaries, substations	4, 80
26	O. R. Walen E. L. Tyrrell	Repairing chair	1,00
	E. L. Tyrrell	Repairing chair Repairing clock do Engraving chart Painting nalyards on flagstaff Peroving the theory by live	2.00 1.00
	Henry C. Smith J. C. Entwistle T. D. McClelland Co	Engraving chart.	5, 00
	T. D. McClelland Co	Painting halyards on flagstaff	5.00
	C. F. Jones	Repairing telegraph line	2.50 4.00
	Fred Wilson Price Bros A. Foreman & Son	Service, etc.	3, 00
	A. Foreman & Son	Type	9.33
	Jno. C. Parker Easton & Rupp	Repairing telegraph line Oiling halyards Service, etc Type Supplies for printing officedodo	284. 16 23. 50
	do	do	143, 13
	The Manhattan Supply Co.		102.30
	Ben H. Doster Call Rettory Co.	Paint, brushes, etc	80. 45
	Ben H. Doster The Chloride of Silver Dry Cell Battery Co- Julian P. Friez A. M. & J. Salom, Limited	Faradic cells Supplies and service Lye and oil	2. 00 2, 195. 70
	A. M. & J. Salom, Limited	Lye and oil	1.00
			2. 10 2. 25
	E. A. Mattix Chamberlain & Taylor E. M. White Columbia Planing Mills Co.	Ink	. 75
11	E. M. White	Ink	. 75 2. 50
	Columbia Planing Mills Co	Table	3. 00 40. 00
	A. J. Stower Bros	Oil can	1, 25
28	Henry A. Poole A. J. Stower Bros Caton Manufacturing Co Jno. H. Murphy	Oil can	1. 25 114. 75 1. 20
			1. 20
	Chadwick Copying Book Co	Copying books	59. 25
	Pearre E. Crowl & Co	Bates numbering machine	10.50
	Golding & Co O. W. Wheeler W. F. R. Phillips et al Jno. P. Church et al Max Wagner Jno. C. Parker Standard Oil Co. Jno. C. Parker Standard Oil Co. Landard Oil	Steam fixtures, etc	9. 45 3. 00
31	W. F. R. Phillips et al	Salaries, climatology	168.40
	Jno. P. Church et al	Salaries, printing office Traveling expenses	2, 380, 53
Sept. 4	Jno C Parker	Stationery	9.00 2,305.45
Dopt. 1	Standard Oil Co	Stationery Supplies for printing office Cardboard for printing office Machine oil Varnish	8.48
	Jno. C. Parker	Cardboard for printing office	660.00
	Jno. C. Parker	Varnish	5.00 4.80
	Jas. B. Lambie	Supplies	61, 50
	J. C. Entwistle	EngravingTransportation	5.00 48.20
7	Jas. Salsbury	Services	48. 20 5. 00
-	Jas. Salsbury N. C. Price	do	2, 50
	N. C. Frice J. F. Joyce P. W. Tompkins Pay roll, New York	Cleaning and laying carpet	8.00
	Payroll New York	Repairing caligraph	4. 50 45. 00
		Traveling expenses	2, 25
	W. Burrows Geo. H. Willson Howe Scale Co T. E. Howes & Co	dodo	6.10 22.50
	Howe Scale Co	Scales	8.00
	T. E. Howes & Co	Scales Oil and matches	-3, 83
	H. S. Crocker Co.	Paper	2.50
	H. S. Crocker Co. Jas. Fitzsimons & Co. Augusta Lumber Co	Paper. Desk File case. Painting instrument shelter	40, 00 22, 50
•	C. H. Patterson Little Rock Edison Electric Light and Power	Painting instrument shelter	12.00
	Little Rock Edison Electric Light and Power	Electric current	6.80
	Co. D. L. Sweenev	Repairing instrument shelter	6.80
	Blake Moffit & Towne	Paper	3.00
16	Williams & Hanks Jno. Schultzbach	Repairing lithograph press	7.00 130.00
	J. Edwd. Turton	Packing boxes	437, 40
	Fred. A. Schmidt. Rudolph, West & Co	Milliographs, etcLocks	144.48
	Rudolph, West & Co	Locks	191.87

WEATHER BUREAU-GENERAL EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total
.897.			
pt. 16	The Norris Peters Co	Supplies	\$5
	The North Felers Co F. P. May & Co United States Express Co: Willis L. Moore F. H. Clarke Pay roll, New York	Files rasps etc	10.
	United States Express Co	Transportation	28
	Willis L. Moore	Transportation	86
	F. H. Clarke	do	21
18	Pay roll, New York		45
10	Jas. O'Hara Henry L. Hart & Co Union Typewriter and Supplies Co	Repairing furniture Re-covering rollers Repairing typewriter Repairing furniture Repairing typewriters	$\frac{2}{2}$
	Henry L. Hart & Co	Re-covering rollers	2
	Union Typewriter and Supplies Co	Repairing typewriter	2
	Jno. Henry. H. R. Stoddard Westley Holsclaw Harvey A. Extell	Repairing furniture	3
	H. R. Stoddard	Repairing typewriters	10
	Westlev Holsclaw	Servicesdo	12 6
	Harvey A. Extell	do	. 6
		Repairing typewriter	3
	E. I. Garfield	Services	10
	E. I. Garfield W. H. Almstrong Allen Buell H. C. Breeden Co	Services	1
	Allen Buell	do	1
	H. C. Breeden Co		65
	Jas. Kitterman	do	31
	L. & M. Alexander & Co	Rubber stamps	2
	Yates & Co	do	2 5
	As. Kitterman L. & M. Alexander & Co Yates & Co Howerton, Marden & Johnson		7
	Jno. D. Evans	Stamps	3
	Howerton, Marden & Johnson Jno, D. Evans L. J. Miller Corbett, Failing & Robertson Duff Dodson J. C. Wilson & Co R. T. Smith Charleston City R. R. Co M. C. Baker Trayers Bros Co	Stamps Water cooler Stove Recasting rollers	3
	Corbett, Failing & Robertson	Store	8
	Duff Dodson	Recasting rollers	4
	J. C. Wilson & Co	Coal	64
	R. T. Smith	Wood	24
	Charleston City R. R. Co	Car tickets	12
	M. C. Baker		1
	Travers Bros. Co	Cord Recoating plates do Stereotype metal	13
	Hoke Engraving Plate Co	Recoating plates	53
	do	do	75 67
		Stereotype metal	67
	Barnhardt Bros. & Spindler	TypeSupplies	1
	The Okonite Co., Limited	Supplies	35
	The W. O. Hickok Manufacturing Co	do	4
	Barnhardt Bros. & Spindler The Okonite Co., Linited The W. O. Hickok Manufacturing Co. J. H. Bunnell & Co	Blue vitriol	123
	Neostvie Co	Neostyle writing frames	96
	The Safety Insulated Wire and Cable Co	Copper wire	30
	Logan, Swift & Brigham Envelope Co Philadelphia Photo-Engraving Co	Copper wire White envelopes	33
	Philadelphia Photo-Engraving Co	Line engraving for printing office.	7
	Eimer & Amend	Supplies	6
	Philadelphia Photo-Engraving Co. Eimer & Amend Pacific States Type Foundry. Superior Rubber Type Co. K. F. Megerele Alex. H. Revell & Co. R. H. Wolff & Co. Limited Pacific States Type Foundry. Library Bureau J. X. Brands. American Type Founders Co. do	Line engraving for printing office. Supplies Ink, rule, etc. Logotype holders.	5
	Superior Rubber Type Co	Logotype holders	20
	K. F. Megerele	Ink, oil. etc Carpets and office furniture	4
	Alex. H. Revell & Co	Carpets and office furniture	155
	R. H. Wolff & Co., Limited	Steel music wire	74
	Pacific States Type Foundry	Map	15
	Library Bureau	Index cards Brushes, rules, etc	3
	J. X. Brands	Brushes, rules, etc	
	American Type Founders Co	Supplies	267
	dodo	Supplies for printing office	73
	do	Supplies Supplies for printing officedo	62
	do	do	40
	do	Brass rules Recasting rollers	20
	do	Recasting rollers	(
0.0	Chas. Bolio	Transportation Monkey wrench, etc.	1
20	W. Willett Trego	Monkey wrench, etc]
	J. S. Dickinson	011	5
	W. F. & Jno. Barnes Co	Saw blades	
	Jno. P. Nawrath	Twine	35
	do .	Rules, etc. Supplies	10
	D. Conton Pollontyme	Supplies	25
	M. Du Perow R. Carter Ballantyne J. C. Ergood & Co Mackall Bros. & Flemer	Stationery	242
	Mackell Prog & Flor	Flour for printing office	1
	mackan bros. & Flemer	Lypewriter	26
	M. Du Pavoyr	Typewriter Sponges Wire	6
	M. Du Perow. Harris & Shafer. Jno. C. Parker	W 1re	5
	Tro C Porker	Clocks. Paper Brushes	36
	Chas Pasker	Paper	239
	Chas. Becker	Drushes	9
	Amorican Drose Accesistics		2
	M. W. Jenks American Press Association W. C. Newton & Co Geo. E. Hunt	ServicesdoOffice expenses	15
	W. C. Newton & Co	d0	55
21	Coo F Hunt		1

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
pt. 21	Geo. E. Lawton. L. F. Passailaigue Edwd. A. Evans E. A. Beals Fort Worth and Denver City Rwy. Co Chicago, Burlington and Northern R. R. Co. Smithfield Telephone Co. New England Telephone and Telegraph Co. Iowa Telephone Co. Pennsylvania R. R. Co. Eedwd. F. Ebinger C. R. Watson J. F. Clemmer S. L. Robbins	Traveling expenses	\$19.
•	L. F. Passailaigue	do	8.
	Edwd. A. Evans	do	15.
	E. A. Beals	do	48.
23	Fort Worth and Denver City Rwy. Co	Telegraph services	11.
	Chicago, Burlington and Northern R. R. Co	do -	3.
	Smithfield Telephone Co	do	5.
	New England Telephone and Telegraph Co	do	2.
	Iowa Telephone Co	do	2. 37.
	Pennsylvania R. R. Co	Passenger transportation	37.
	Edwd. F. Ebinger	Transportation	
	C. R. Watson	Office rent	5. 7. 30.
	J. F. Clemmer	Services	7.
	S. L. Robbins	do	30.
	L. B. Myers.	do	10.
	Wm. J. Rotch	do	3.
	S. L. Robbins L. B. Myers. Wm. J. Rotch Peter Lynch, jr Frank Golait, jr R. H. Holmes Taufkirk & Swisher Henw. Converse	do	1.
	Frank Golait, ir	do	2.
	R. H. Holmes	do	1.
	Taufkirk & Swisher	Erecting flagstaff	20.
	Henry Conneroe W. H. Buckley W. A. Reiss	do do Erecting flagstaff Services Flag pole Removal office furniture	10.
	W. H. Buckley	Flag pole	23.
	W. A. Reiss	Removal office furniture	9.
	S. H. Clawson	Lettering office door	2.
	H. M. Vicele & Co.		7.
	S. H. Clawson H. M. Vicele & Co M. C. Baker Duvall & McCloskey J. H. Bennett & Co do Jno. Cresswell American Type Founders Co. J. Y. Blands	Painting instrument shelter Services Renovating office Supplies do do clo do Printing supplies Chalk plates Paper, etc Stationery Oil can, etc	8.
	Duvall & McCloskey	Renovating office	12.
	J. H. Bennett & Co	Supplies	820
	do		21.
	Jno Cresswell	do	8
	American Type Founders Co	Printing supplies	21. 8. 6.
	J. X. Blands E. A. Peters & Co. The Stafford Drug Co Nehemiah Ross.	Chalk plates	5.
	E A Peters & Co	Paper etc.	3.
	The Stafford Drug Co	Stationery	5.
	Nobemish Rose	Oil can etc	1.
	H. S. Crocker Co	Paner	. 6.
	Columbia Rubber Works Co	Rulers	7.
	Langetaff Hardware Co	Water cooler	2.
	H. S. Crocker Co Columbia Rubber Works Co Langstaff Hardware Co Little Rock Edison Electric Light and Power	Paper	2. 7.
			1.
	Smith's Cash Store Thos. H. Campbell Chas. F. B. Zimmerman	Wood	90.
	Chas E P Zimmermer	Wood Hire of horse	1.
0.4	Williams & Hanks	Sarvices	80.
24	W F P Phillips of al	Salariae	163.
	Williams & Hanks W. F. R. Phillips et al Jno. P. Church et al	Services Salariesdo	2, 291
		. ,	
	Total first quarter		20, 702
t. 1	Jno. C. Parker United States Express Co	Paper and pencils	583 56
	United States Express Co	Transportation	56
	Broderick Bros	Rags	14
	Rudolph, West & Co	Screws	4
	Smith Premier Typewriter Co	Screws. Typewriters Services and material	193
	Norris Peters Co	Services and material	10
	J. C. Entwistle	Engraving rain charts	5
	Adams Express Co	Engraving rain charts Transportation Books Carbon paper	40
	R. Carter Ballantyne	Books	26
2	Miller, Bryant, Pierce Co	Carbon paper	240
	do	Addresses	75
	Addressograph Co	Addresses	42
	Chas W Percy	Engine	352
	Onas. W. I Croy	Type	3
	Pacific States Type Foundry	Typo	
	Pacific States Type Foundrydo	Cutting rule, etc	9
	Pacific States Type Foundrydo. S. Spitz	Cutting rule, etc	9. 5.
	Pacific States Type Foundrydo S. Spitz Blake, Moffitt & Towne	Cutting rule, etc	9. 5. 4
	Pacific States Type Foundrydo. S. Spitz Blake, Mothitt & Towne. Julian P. Friez	Cutting rule, etc	9. 5. 4. 666.
	Olasific States Type Foundrydo S. Spitz Blake, Moflitt & Towne Julian P. Friez Henry Wetzell	Cutting rule, etc	9. 5. 4. 666.
	Pacific States Type Foundrydo S. Spitz Blake, Moffitt & Towne. Julian P. Friez Henry Wetzell H. S. Crocker Co	Addresses Engine Type Cutting rule, etc Repairing clock Paper Instruments Repairing office chairs	9 5 4 666 3
	Pacific States Type Foundrydo do S. Spitz Blake, Mofflit & Towne Julian P. Friez Henry Wetzell H. S. Crocker Co Jno C. Parker	Cutting rule, etc	9 5 4 666 3 1
	Pacific States Type Foundrydo S. Spitz Blake, Moffitt & TowneJulian P. Friez Henry Wetzell. H. S. Crocker Co Jno. C. Parkerdo	Cutting rule, etc. Repairing clock Paper Instruments. Repairing office chairs Paper Steel erasers. Paper, etc.	9 5 4 666 3 1
	Jno. C. Parker United States Express Co Broderick Bros. Rudolph, West & Co Smith Premier Typewriter Co Norris Peters Co. J. C. Entwistle. Adams Express Co R. Carter Ballantyne. Miller, Bryant, Pierce Co. do Addressograph Co. Chas. W. Percy. Pacific States Type Foundry. do S. Spitz Blake, Mofflitt & Towne. Julian P. Friez Henry Wetzell H. S. Crocker Co Jno. C. Parker. do	Cutting rule, etc	9 5 4 666 3 1 55 1, 7 51
4	Pacific States Type Foundrydo do S. Spitz Blake, Moflitt & Towne. Julian P. Friez Henry Wetzell. H. S. Crocker Co Jno. C. Parkerdo do The Okonite Co., Limited	Cutting rule, etc Repairing clock Paper Instruments Repairing office chairs Paper Steel erasers Paper, etcdo Wire.	9. 5. 4. 666. 3. 1. 55. 1, 751
4	Pacific States Type Foundrydo. S. Spitz Blake, Moffitt & Towne. Julian P. Friez Henry Wetzell. H. S. Crocker Co. Jno. C. Parkerdodo The Okonite Co., LimitedGeo. Meier Co.	Cutting rule, etc. Repairing clock Paper Instruments Repairing office chairs Paper Steel erasers Paper, etc. do Wire. Ink and varnish	9 5 4 666 3 1 55 1,751 98 4
4	The Okonite Co., Limited	WireInk and varnishPrinting ink and type	9 5 4 666 3 1 55 1,751 98 4 89
4	Pacific States Type Foundrydo do S. Spitz Blake, Mofflit & Towne. Julian P. Friez Henry Wetzell. H. S. Crocker Co Jno. C. Parkerdodo The Okonite Co., Limited Geo. Meier Co. American Type Founders Codo W. E. Oliver. Jno. A. Roebling Sons Co.	WireInk and varnishPrinting ink and type	9. 5. 4. 666. 3. 1. 55. 1,751. 98. 4. 89. 89.

WEATHER BUREAU-GENERAL EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1897. Oct. 4	Philadelphia Photo-Engraving Co	Photo engraving	\$3, 05
Oct. 4	do	Photo-engravingdo	4.00
	Jas. Fitzsimmons & Co	Packing desk for shipment	3.00
	H. C. Frankenfield	Traveling expenses	1.50
	R. I. Grantdo	dodododado	29. 50 14. 00
	do.	do	38. 50
	The Springfield Envelope Co	Manila envelopes	63. 35
	do		133. 43 12. 38
	do A. Ashenberger Herchiner W. Grasse	do Expenses	3. 55
	Herchiner W. Grasse	do	2.48
	J. H. Smith	do Repairs to self-register Service and material	1.50
	Joseph Rothwell	Service and material	2.50 3.00
	J. H. Smith W. A. Ricard Joseph Rothwell J. W. Cronk Walter Henders' Sons Rigby & Willson O. H. Beals Chestoqua Peterson H. G. Rayne	Service and material. Expenses Repairing rain gauges. Office chairs Repairs to stove Wood. Services and material.	5.00
	Walter Henders' Sons	Repairing rain gauges	1.50
	Rigby & Willson	Office chairs	6.00
	Chestogua Peterson	Wood	6. 50 40. 00
	H. G. Bayne	Services and material	10.00
1	McClellan Paper Co	Paper	2.71
	M. G. Copeland & Co.	Flore	29.76 1,424.88
•	Chestoqua Feterson H. G. Bayne McClellan Paper Co The Maurice Joyce Engraving Co W. G. Copeland & Co E. Morrison Paper Co P. P. Androws & Co	Paper Electrotype plates Flags Rubber bands, etc	181.00
	R. P. Andrews & Co		7.50
_	J. Baumgarten & Sons Fred A. Schmidt.	Rubber stamps Measuring sticks	69.14
5	John C. Parker	Letter paper	46. 50 104. 00
	Williams & Hawkes	Services	10.00
	W. A. Pate	Services Belting, etc. Millinet	26.00
7	J. C. Entwistle	Millinet	5. 52
,	Brown & Sharpe Manufacturing Co	Gear wheels	25. 82 13. 00
	Hoke Engraving Plate Co	Recoating base plates	62.50
	do	Chalk plates, stereotype, etc Recoating base plates	81, 08
	Williams & Hawkes W. A. Pate J. C. Entwistle. The Barbour Bros. Co. Brown & Sharpe Manufacturing Co. Hoke Engraving Plate Co. do. Julien P. Friez Louis Prior Alice M. Adie. Sweet & Bloom Arkansas Democrat Co. do.	Recoating base plates	62.50 145.50
	Louis Prior	Storvices	9. 00
	Alice M. Adie	do	19.50
	Sweet & Bloom	Stone	41.00
	do	Recasting rollers, etc	4. 00 3. 75
	J. K. Gill & Co. Clara M. Fassett	Ink, mucilage, etc	14.00
	Clara M. Fassett	Services	5.00
	John Longstaff Vance Printing Co D. L. Gobble John Gandolfo	Printing crop bulletin, etc	30.00 61.50
	D. L. Gobble.	Printing crop and climate report. Services and material. Oil, brooms, etc.	7.00
	John Gandolfo	Oil, brooms, etc	8.00
		Wood	9. 00 9. 50
	H. W. Wintermeyer	Cleaning carpet	2. 00
	C. H. Phelphs	Matches, ink, etc	4.70
	Geo. S. Maraole. A. W. Caine & Co. H. W. Wintermeyer C. H. Phelphs. Philadelphia Photo-engraving Co. The White-Carbin Co.	Wood Oil, ink, etc. Cleaning carpet Matches, ink, etc. Line engraving Envelopes Traveling expenses do Office rent	6.48
	The White-Corbin Co Lucius A. Welsh Frank H. Bigelow Balf B. Johnson	Traveling expenses	267. 85 12. 25
	Frank H. Bigelow	do	10.75
9	Balf B. Johnson	Office rent	45, 00
	Guarantee Building Co	do	87. 50 126. 19
	Fred Arnold	do	75. 00
	Chicago Auditorium Association	do	450.00
	The Society for Savings	do	285. 00
	Peter Balcher, agent	do	74. 20 83. 66
	The Farmers' Bank	do	60.00
	The Independent Gas Co	do	250.00
	Bunce & Jams	do	150.00
	Frank H. Bigelow Frank H. Bigelow Isaac Bloch Guarantee Building Co Fred Arnold Chicago Auditorium Association The Society for Savings. Maggie French Peter Balcher, agent The Farmers' Bank The Independent Gas Co. R. McLaughlin Bunce & Jams Tyree & Wilkins Pacific Club F. M. Brown & Co. Walla Walla Lodge, No. 56, I. O. O. F Chas. M. Boucher Pearl I. Hart Jos. Swift and W. H. Swift Merrill, Bliss & Co. Charlotte Gardner and P. A. Johnson	do	90, 00 67, 50
	Pacific Club	do	76.50
	Walla Walla Lodge No 56 LOO E	do	100.00
	Chas. M. Boucher	do	84. 87 42. 00
	Pearl I. Hart	do	15. 00
	Jos. Swift and W. H. Swift	do	75. 00 25. 00

WEATHER BUREAU-GENERAL EXPENSES-Continued.

ate.	Name.	Nature of payment.	Total
397.	Asher Marks, administrator T. B. Jack T. B. Catron A. J. Knight State Trust Co Ella W. Daniels P. Laveaga, treasurer C. M. Becson F. C. Warren Mercantile Co Homer W. Styron R. A. Dodson, executor Henry Landes Ed. S. Hughes & Co Union Trust Building, limited William A. Johnson Jno. A. Townsend Willis Higgins J. W. Branan Pay roll, Chicago, Ill Pay roll, New York, N. Y E. H. Jameson T. M. Jeffries & Co Kate F. Coke J. L. and W. L. McGaque Real Estate and Law Building Benj. M. Jacobs Isaac Eberly B. S. Williams Albert Marty Jos, Gussenhoven H. Overholser Wm. Chandler Paine Brothers		
. 9	Asher Marks, administrator	Office rent	\$77
	T. B. Jack	do	\$77 75
	T. B. Catron	do	105
	A. J. Knight	do	79 87
	State Trust Co		87
	P Lavagra traccurar	do	75 67
	C. M. Reeson	do	
	F. C. Warren Mercantile Co	do	97 91
	Homer W. Styron.	do	38
	R. A. Dodson, executor.	do	131
•	Henry Landes	do	45
1	Ed. S. Hughes & Co.	do	106 137
10	Union Trust Building, limited	do	137
13	William A. Johnson	Services	30
	Willia Himmina	do	30
	J W Branan	do	30 15
	Pay roll Chicago Ill	Substation salaries	394
10	Pay roll, New York, N. Y	do	45
	E. H. Jameson	Office rent	120
	T. M. Jeffries & Co	do	81
	Kate F. Coke	do	60
	J. L. and W. L. McGaque	do	125
	Real Estate and Law Building	do	34 15
	Denj. M. Jacobs	do	15
	R S Williams	do	154 55
	Albert Marty	do	165
	Jos. Gussenhoven	do	120
*	H. Overholser	do	127
	Wm. Chandler	do	84
	Paine Brothers	do	73
1	Margaret Parmentier	do	75
	Portland Trust Co. of Oregon	do	210
	P. H. Swearinger	do	. 48
	H. Overholser Wm. Chandler Paine Brothers Margaret Parmentier Portland Trust Co. of Oregon P. H. Swearinger Jos. A. Smith Bank and Insurance Building Co H. D. & F. H. Irish National Bank of Commerce Northwestern Mutual Life Insurance Co. F. P. Chaffee H. W. Richardson N. G. Purssell P. Connor	00	90
	Bank and Insurance Building Co	do	90
	National Rank of Commerce	do	92
	Northwestern Mutual Life Insurance Co	do	. 75
	F. P. Chaffee	Office expenses	1
1	H. W. Richardson	do	1
1	N. G. Purssell	do	1
8	P. Connor	do	8
	Amerillo Improvement Co	Office rent	- 50
	Colley & Wright	do	78
	Tanny L. Reating	do	90
	Poht Maywell	Convigee	52 30
	Pay roll, Wilmington, N. C.	Substation salaries	72
	Pay roll, Sayannah, Ga	do	66
	Southern Bell Telephone and Telegraph Co.	Rent of telephone	3
	The Southern New England Telephone Co	do	31 7
	N. G. Purssell P. Connor Amerillo Improvement Co Colley & Wright. Tanny L. Keating Luke & Smith Robt Maxwell Pay roll, Wilmington, N. C Pay roll, Savannah, Ga Southern Bell Telephone and Telegraph Co The Southern States Telephone and Telegraph Co. The Empire State Telephone and Telegraph Co	do	7
	The Empire State Telephone and Tele-	do	25
	graph Co.	do	
	Sunset Telephone and Telegraph Co The Southern Bell Telephone and Tele-	do :	. 6 10
	graph Co	dv	10
	The Bell Telephone Co. of Philadelphia	do	30
	The Bell Telephone Co. of Buffalo.	do	. 12
-	Guaranty Building Co	Electric current	. 12
	Indianapolis Light and Power Co	do	18
	Ludington Electric Light and Power Co	`do	2
	Southern Bell Telephone and Telegraph Co-	Rent of telephone	10 7
	The Southern Bell Telephone and Telegraph Co. The Bell Telephone Co. of Philadelphia The Bell Telephone Co. of Buffalo. Guaranty Building Co Indianapolis Light and Power Co Ludington Electric Light and Power Co Southern Bell Telephone and Telegraph Co La Crosse Telephone Co. Wisconsin Telephone Co The Central Distributing and Printing Telephone Co.		7
	Wisconsin Telephone Co	do	3.
	phone Co		9
	Pulaski Gaslight Co	Gas	10
	Lincoln Street Rwy. Co.	Electric current	13
	Peoples' Gaslight and Coke Co	Gas	8.
	The Central Distributing and Printing Telephone Co. Pulaski Gaslight Co Lincoln Street Rwy. Co. Peoples' Gaslight and Coke Co J. J. S. Millspaugh. Anna Farris American Toilet and Supply Co. City and Suburban Telegraph Association. Southern Bell Telephone and Telegraph Co.	Services	1.
	Anna Farris	do	1 5
	American Toilet and Supply Co	do	3.
	City and Suburban Telegraph Association	Rent of telephone	25. 8.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd. WEATHER BUREAU-GENERAL EXPENSES-Continued.

Da	te.	Name.	Nature of payment.	Total.
189		G. G. W. I. I. G.	Day Collador	44.00
Oct.	13	Canyon City Telephone Co	do	\$4.00 21.00
		Telegraph Co. Cairo Telephone Co Central Distributing and Printing Tele-	do	5. 00
		Central Distributing and Printing Telephone Co. Iowa Telephone Co. Michigan Telephone Co. Michigan Telephone Co. Michigan Telephone Co. Ocolumbia Telephone Co. Columbia Telephone Co. Ocolumbia Telephone and Telegraph Co. San Antonio Ice Co. P. Minor. W. S. Pickrell Duluth, Superior and Western Rwy. Co. Hoke Engraving Plate Co. Ocolumbia Telephone Co. Ocolumbia Telephone Co. Ocolumbia Telephone Co. Ocolumbia P. Preize. The Cleveland Telephone Co. Chicago Telephone Co. Cumberland Telephone Co. Cumberland Telephone Co. Missouri and Kansas Telephone Co. Pennsylvania Telephone Co. New England Telephone Co. Smithfield Telephone Co. Smithfield Telephone Co. New England Telephone Co.		34. 25
		Home Telephone Co	do	6. 00 6. 00
		Michigan Telephone Co Oregon Telephone and Telegraph Co	do do	9.00 22.50
		Columbia Telephone Co	do	10. 50 5. 90
		H. L. Pittock	Electric current	18. 00 13. 82
		Southwestern Telephone and Telegraph Co	Rent of telephone	15. 00
		P. Minor	icedo	4.35 9.20
		W. S. Pickrell Duluth, Superior and Western Rwy. Co	Electric light. Telephone service.	5. 10 2. 50 63. 00
		Hoke Engraving Plate Codo	Base plates	63.00 21.81
		The Friedenwald Co	Paper	420. 35 2. 60
	•	Fort Worth and Denver City Rwy. Co	do	11. 40
		American Type Founders Co	Gauge pins	22. 43 2. 48
		Julian P. Freize	Wheel and dial	11.75 10.00
		The Cleveland Telephone Co	Rent of telephone	18.00 31.25
		Michigan Telephone Co	do	6.00 6.00
		Sunset Telephone and Telegraph Co.	do	6. 00 18. 00
		Pennsylvania Telephone Co.	do	21. 00
		Smithfield Telephone Co	do	2.60 4.80
		N. A. Morford	Paper	39. 00 2. 70
		James Kitterman. Yates & Co.	Carpet sweeperGlass	2. 70 2. 75 1. 20 4. 00
		Hollister & Potter James Graham	Hand stamp Stove repairs Telegraph service Rent of telephone	4.00
		Chicago, Burlington and Northern R. R. Co Southern Bell Telephone and Telegraph Co The Southwestern Telephone and Telegraph	Telegraph service	1.75 3.25 5.00
		The Southwestern Telephone and Telegraph Co.		9.00
		Co. Nebraska Telephone Co. East Tennessee Telephone Co. Pay roll, Chicago, Ill. Pay roll, Cleveland, Ohio. Pay roll, New Haven, Conn. Pay roll, Norfolk, Va. Erie R. R. Co. Jno. W. Ryker Great Northern and Western Telegraph Co. Northern Central Rwy: Co. The White-Corbin Co. do.	do	15.00
	14	Pay roll, Chicago, Ill	Substation salary	10.00 1,065.00
		Pay roll, Cleveland, Ohio Pay roll, New Haven, Conn	do	75.00 48.00
10.1		Pay roll, Norfolk, Va Erie R. R. Co	Passenger transportation	75. 16 3. 30 13. 20
		Jno. W. Ryker	Traveling expenses.	13. 20
		Northern Central Rwy: Co	Passenger transportation	176.00 9.75
		do	Traveling expenses. Telegraph service. Passenger transportation. Envelopes do Freight transportation Passenger transportation Traveling expenses Repairing roof of office. Passenger transportation	9. 75 173. 00 7. 65
		Chicago and Northwestern Rwy. Co	Freight transportation Passenger transportation	1. 23 23. 80
		Norman B. Conger John Hoffman	Traveling expenses	11. 50 5. 00
		Southern Pacific Co	Passenger transportation	12, 35
		Geo. Meier & Co.	Lithographic ink	65. 51 18. 75 10. 6 5
		Baltimore and Ohio R. R. Co.	rassenger transportationdo	18. 70 15. 00
		Joe Piercy	Pasting bulletins	4. 50
		Chas. W. Ling. W. T. Blythe	Office expenses	1.50 5.60
		Arctic Ice Co	Ice	4, 50
		The White-Corbin Codo. Baltimore and Ohio Southwestern Rwy. Co. Chicago and Northwestern Rwy. Co. Norman B. Conger John Hoffman. Southern Pacific Co. Pennsylvania R. R. Co. Geo. Meier & Co Boston and Albany R. R. Co. Baltimore and Ohio R. R. Co. Chas. A. Blumner Joe Piercy. Chas. W. Ling. W. T. Blythe Arctic Ice Co. Richard Titus. Louisa Johnson. The Corpus Christi Electric Co. The Miami Telephone Co.	do	12. 00 9. 00
		The Miami Telephone Co	Telephone services	6. 00 21. 00

134 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fical year ending June 30, 1898-Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1897.		_	
Oct. 14	Consumers' Electric Light and Street R. R.	Electric current	\$5.00
	P. C. Shaw Knight & Rosenkrans	Washing towelsdo	6.00 1.50
	Rnight & Rosenkrans. Pay roll, Oswego, N. Y. E. O. Zadek J. A. Wikstrom Jas. O'Neil	Substation salaries	96. 00
	E. O. Zadek	Repair to clock	1.00
	Jas. O'Neil	Repair to clocks	4. 00 8. 00
		do	5.00
	Freeborn & Co City Gas Co. of Norfolk, Va The J. F. W. Dorman Co	Painting instrument shelter Electric light Logotypes	20.00 4.50
	The J. F. W. Dorman Co	Logotypes	416.50
	do Delaware and Atlantic Telephone Co. Pay roll, Wilmington, N. C. Alex, Gayland. Geo. W. Gaskin. Chas, W. Pugh L. Woodworth Nels Lundblad. Geo. R. Koester C. F. Marvin.	Rouber type. Rent of telephone Substation salaries Repairing Services	23. 00 12. 00
	Pay roll, Wilmington, N. C.	Substation salaries	110.40
	Alex. Gayland	Repairing	6. 00 6. 0 0
	Chas. W. Pugh	do	23.48
	L. Woodworth	TableServices and material	2,00
	Nels Lundblad	Services and materialdo	3. 00 26. 00
	C. F. Marvin Southwestern Telegraph Co	Traveling expenses	30.30
15	Southwestern Telegraph Co	Telegraph service	2.70
	The Bell Telegraph Co. of Buffalo. Talbottour Enterprise Telegraph Co. Jacksonville and St. Johns Bar Telegraph	do	1. 10 2. 60
	Jacksonville and St. Johns Bar Telegraph	do	13.00
	Line. Philadelphia, Reading and Pottsville Tele-	do	15. 54
_	graph Co.	do	14.77
`	The North American Telegraph Co New York Central and Hudson River R. R.	Passenger transportation	2. 13
20	Co. P. H. Smythe	Traveling expenses	5.00
20	E. J. Glass	Office common and	9.05
	J. M. Sherier	do	10.36
	D. Horton Edgar Harding L. M. Pindell	Office rent	90.00 87.50
	L. M. Pindell	Office expenses do Office rentdo Office expenses	87. 50 2. 70 2. 00
	G. M. Salisbury Wells, Fargo & Co's. Express Derosier & Colvin	Transportation	2. 00 3. 90
	Derosier & Colvin	Commission	36, 00
	W. W. Crocket	Use of horseServices and material	6. 00 29. 95
	Western Union Telegraph Co	Drayage	5. 80
	C. F. Jones C. G. Le Clair	Drayage Repairing telegraph line Lee Drayage Washing towels Gas Rent of telephone Services Rugs Water	2.50
	McCormick & Rates	Drayage	3.00
	D. C. Cross Buffalo Gaslight Co R. L. Lewis Wm. Searles	Washing towels	1.50
	Buffalo Gaslight Co	Gas	8. 20 15. 00
	Wm. Searles	Services	9.00
	Bell & Gorman	Rugs	7.00
	M. L. Pool	Water	9. 00 9. 20 16. 25
	Bell Telephone Co. of Missouri	Telephone rent	16. 25
	Cumberland Telephone and Telegraph Co	Telephone services	5. 00 23. 85
	Nashville Laundry Co	Telephone rent Washing towels Gas	1.80 7.84
	Bell & Gorman H. W. Blaisdell. M. L. Pool Bell Telephone Co. of Missouri Bell Telephone and Telegraph Co. Cumberland Telephone and Telegraph Co. Nashville Laundry Co Nashville Gaslight Co. Cumberland Electric Light and Power Co. Sunset Telephone and Telegraph Co Oueen City Printing Co	Gas	7. 84 15. 00
	Sunset Telephone and Telegraph Co	Electric power Rent of telephone	15, 00
	Queen City Printing Co Ohio Valley Telephone Co New York and Pennsylvania Telephone	Services	39.00 18.00
	New York and Pennsylvania Telephone	Telephone rentdo	600
	and Talagraph Co	,	4 50
	Jas. T. Sullivan L. J. Schwarz. R. H. Platt	Repairing river gaugedo	4.50 5.00
	R. H. Platt	Supports to flagstaff	3.00
	John Christensen Charleston Light and Power Co. Biemiller Ice and Coal Co	Repairing river gauge Electric light Ice do	5.00
	Biemiller Ice and Coal Co	Ice	. 17 3. 95
	Barny Flynn	do	4.60
		Servicesdo Repairs to river gaugeUse of team	32. 50 5. 00
	A. F. Williams P. D. Wayman Arthur A. Day	Repairs to river gauge	5.00 7.00
	Arthur A. Day	Use of team Services	3. 80 6. 00
	H. M. Knowels Citizens' Cooperative Telegraph Association.	Del A1068	10.00

WEATHER BUREAU-GENERAL EXPENSES-Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
oct. 20	Missouri and Kansas Telephone Co. Hartman General Electric Co Fischer & Co D. M. Goulter. Columbia Printing Co H. B. Morgan So. Bell Telephone and Telegraph Co. Clark W. Combs Pay roll, Portland, Geg Pay roll, Portland, Oreg Pay roll, Little Rock, Ark Pay roll, Portland, Oreg Pay roll, Little Rock, Ark Pay roll, Charleston, S. C Pay roll, Boston, Mass Pay roll, Cairo, Ill Pay roll, Angusta, Ga Pay roll, Vicksburg, Miss Pay roll, Vicksburg, Miss Pay roll, Atlanta, Ga Howard Schriver Herbert F. Miley C. B. Wentzell Pay roll, Charleston, S. C Pay roll, Harrisburg, Pa Pay roll, Chicinnati, Obio E. A. Beals Smith Premier Typewriter Co Jas. B. Lambie W. B. Moses & Sons Rudolph West & Co. United Typewriter and Supply Co	Rent of telephone	\$9.
	Hartman General Electric Co	Flectric light	6.
	D M Coulter	Services	4. 15.
	Columbia Printing Co	do	9.
	H. B. Morgan	Renairing clock	1. 1
	So. Bell Telephone and Telegraph Co	Telegraph service	1. 9 7. 1. 1
	Clark W. Combs	Traveling expenses	1.
21	Pay roll, Atlanta, Ga	Substation salaries	42.
	Pay roll, Portland, Oreg	do	45.
	Pay roll, Little Rock, Ark	do	39.
	Pay roll, Charleston, S. C.	00	18. 530.
	Pay roll Coire Ill	do	120
	Pov roll Angusta Go	do	129. 27.
	Pay roll, Vicksburg, Miss	do	168.
	Pay roll, Atlanta, Ga	do	184.
	Howard Schriver	Services	9. (
	Herbert F. Miley	do	9. (
	C. B. Wentzell	do	16.
	Pay roll, Charleston, S. C.	Substation salaries	168.
	Pay roll, Harrisburg, Pa	do	42.
	Pay roll, Cincinnati, Ohio	The walks of the second	192.
22	E. A. Beals	Traveling expenses	50. 96.
22	Jac B Lambio	Plions gauge eta	90.
	Jas. B. Lambie W. B. Moses & Sons Rudolph West & Co. United Typewriter and Supply Co. S. P. Johnson Royce & Marean W. C. Newton & Co. do. Georgetawn and Lanes Telegraph Co.	Desk and chairs	6. 30.
	Rudolph West & Co.	Screws	2.
	United Typewriter and Supply Co	Screws Repairing caligraph Typewriter ribbons. Electric supplies Services Recasting rollers Telegraph service Gas. Electric service. Telephone service	23.
	S. P. Johnson	Typewriter ribbons	10.
	Royce & Marean	Electric supplies	382.
	W.C. Newton & Co	Services	6.
	,do	Recasting rollers	19.
23	Georgetown and Lanes Telegraph Co	Telegraph service	7.
	Raleigh Gas Co	Gas	9.
	Kaleigh Electric Co	Electric service	4.
	A hordoon Packing Co	Ice	30. 9.
	do Georgetown and Lanes Telegraph Co Raleigh Gas Co. Raleigh Electric Co Raleigh Electric Co. Jackson and Rich Square Telephone Line Aberdeen Packing Co. Lowa Telephone Co Diamond Ice and Storage Co. Chas. C. Hayman American Type Founders' Co. Henry J. Green Vandalia Line.	Telephone service	11. 8
	Diamond Ice and Storage Co	Ice	4
	Chas. C. Hayman	Service	4. 7.
	American Type Founders' Co	Printing supplies	86.
	Henry J. Green	Ice Service Printing supplies Barometer	100.
	Vandalia Line Boston and Maine R. R.	Freight transportation	2.
	Boston and Maine R. R.	Passenger transportation	2.
	The Carborundum Co	Carborundum cloth Telephone service do Services	16.
	Cumberland Telephone and Telegraph Co	Telephone service	112.
	Last Tennessee Telephone Co	do	9.
	Milwayloo Floatric Pwy and Light Co	Floatnic current	9. 9. 10. 1
	Missouri and Kansas Tolophone Co	Pont of tolonhone	10,
	Chesaneake and Potomac Telephone Co	do do	33
	Boston and Mame R. R. The Carborundum Co. Cumberland Telephone and Telegraph Co. East Tennessee Telephone Co. Jas. Erans. Milwaukee Electric Rwy. and Light Co. Missouri and Kansas Telephone Co. Chesapeake and Potomac Telephone Co. Brush Electric Co. of Baltimore. The Congalidated Ges Co.	Services Electric current. Rent of telephone. do Electric power.	18. 33. 15.
	The Consolidated Gas Co- Katie Collins Aaron Sargant Nebraska Telephone Co Barron County Telephone Co Alabama and Georgia Long Distance Telephone Co	Gas	19.
	Katie Collins	Services	9.
	Aaron Sargant	do	12. 57.
	Nebraska Telephone Co	Telephone service	57.
	Barron County Telephone Co	do	9.
	Alabama and Georgia Long Distance Tele-	do	1.
	phone Co.	1.	_
	The Northwestern Telephone Co.	(Palual and and	5.
	Hudson River Telephone Co.	Telephone rent	18.
	Duluth Telephone Co	do	15. 15.
	W. T. Turbeville	Services	15.
	phone Co. Smithfield Telephone Co. The Northwestern Telephone Exchange Co. Hudson River Telephone Co. Duluth Telephone Co. W. T. Turbeville. Pay roll, Portland, Oreg. Pay roll, Mobile. Ala Pay roll, St. Louis. Mo. J. L. Patrick. Pay roll, Indiauapolis. Ind Pay roll, Indiauapolis. Ind Pay roll, Omaha. Nebr. Pay roll, Pittsburg, Pa The M. Joyce Engraving Co. Mackall Bros. & Flemer. J. C. Entwistle C. F. Marvin. W. C. Newton & Co. Pettit & Dripps.	Substation salaries	30.
	Pay roll, Mobile. Ala	do	177.
	Pay roll, St. Louis, Mo	do	183.
	J. L. Patrick	Services	45.
	Pay roll, Indiauapolis. Ind	Substation salaries	180.
	Pay roll, Omaha. Nebr	do	51.
95	Pay roll, Pittsburg, Pa	do	312.
25	Mackell Prog & Flores	Electrotype.	1.
	J C Entwistle	Sponges, aroum, etc	9.
	C F Marvin	Traveling expenses	5. 46.
	W. C. Newton & Co.	Rollers	62.
	Pettit & Dripps.	Brass piece for gauges	563

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payments.	Total
1897.			
et. 25	Williams & Hanks Broderick Bros	Grindstone	\$203
	Broderick Bros	Rags	14
ŧ	Thos. B. Dickerson	Services Substation salaries	6
	Pay roll, St. Louis, Mo.	Substation salaries	215
	T T Towner	Convices	99
	Pay roll Nashville Tenn	Substation salaries	49
	Pay roll Chattanoora Tenn	do	125
	Pay roll, Montgomery, Ala	do	122
	do	do	128
	Pay roll, Memphis, Tenn	do	220
	Pay roll, Narragansett Pier, R. I	do	ดก
	Pay roll, Raleigh, N. C	do	92 2,407 168
31	Jno. P. Church et al	Salaries	2,407
	W. F. R. Phillips et al	do	168
v. 1	T. S. Outram	Office expenses	. 2
	C. D. C. Thompson	(10	
	F. H. Clarks	do	2
	Rlake Moffit & Townio	Paner	2
	American Type Founders' Co	Supplies	A
	dodo	do	4
	Broderick Bros. Thos. B. Dickerson. Pay roll, Savannah, Ga Pay roll St. Louis, Mo J. T. Jarman. Pay roll, Nashville, Tenn. Pay roll, Chattanooga, Tenn. Pay roll, Chattanooga, Tenn. Pay roll, Montgomery, Ala. do. Pay roll, Memphis, Tenn. Pay roll, Raleigh, N. C. Jno. P. Church et al. W. F. R. Phillips et al. T. S. Outram. C. D. C. Thompson. D. P. McCallum. F. H. Clarke. Blake, Moffit & Townie. American Type Founders' Co. do. Barnhart Bros. & Spindler. Fred M. Wilcox. Geo. Meier & Co. Austin Smith.	do	13
	Fred M. Wilcox	2 sets pigeonholes	1
	Geo. Meier & Co.	Lithographic ink	7
	Austin Smith	Blotting paper	78
	Barniart Bros. & Spinder Fred M. Wilcox Geo. Meier & Co. Austin Smith The J. F. W. Dorman Co. Mobile Light and R. R. Co Citizens' General Electric Co. Excelsior Electric Co. Minnesota International Electric Co. Columbia Water and Light Co. Merchants and Manufacturers' Electric Light and Power Co. Jno. J. Philbrick Springfield Envelope Co.	Fasteners	52
	Mobile Light and R. R. Co	Electric light	. 3
	Citizeus' General Electric Co	do	22
	Excelsior Electric Co	do	
	Minnesota International Electric Co	do	15
	Columbia Water and Light Co	do	5 5
	Merchants and Manufacturers' Electric	do	Ü
	Light and Power Co.	3-	1
	Springfold Fryslers Co	Envelopes	323
	Consumory' Ico Co	Ice	320
	Springfield Envelope Co- Consumers' Ice Co- Milwaukee Gaslight Co- C. S. Clarke, postmaster	Cos	18
	C S Clarke postmaster	Gas. Postoffice-box	10
	W. F. Hayes. P. H. Seewald. W. H. H. Smith. Fred Gaither.	Drayage	1
	P. H. Seewald	Drayage	5
	W. H. H. Smith.	Hire team Services	10
	Fred Gaither	Services	9
	Peleg Brown	Hire team	2
	D. T. Johnson	Services and supplies	16
	L. R. Christhilf	Erecting shelves Repairing office chairs	(
	F. A. Daiger, sr	Repairing office chairs	
	D. T. Johnson L. R. Christhilf F. A. Daiger, sr Ella Beahan H. L. Holden	Services	
			30
	C. A. Watson	do	30
	C. A. Watson Daniel Duffey T. C. Hamilton	d0	18 18
			30
	Hoke Engraving Plate Co	Services and supplies	41
	Hoke Engraving Plate Co. Dressing Cabinet Supply Co. Thayer & Jackson Stationery Co.	Washing towels	41
	Thaver & Jackson Stationery Co	Binding weather mans	1.
	Norfolk and Southern B. B. Co.	Passenger transportation	4
	Seaboard and Roanoke R. R. Co.	do	15
	Norfolk and Southern R. R. Co. Seaboard and Roanoke R. R. Co. New York Central and Hudson River R. R.	do	. 8
	Co.		
	New York, New Haven and Hartford R. R.	do	17
	Co.		
	Missouri Pacific Rwy. Co	do	6
	Lake Shore and Michigan Southern Rwy. Co.	Tolophone sowrice	9
	Co. Missouri Pacific Rwy. Co. Lake Shore and Michigan Southern Rwy. Co. Vermont Telephone and Telegraph Co. Rlack Hills Telephone and Telegraph Co.	Telephone service	2
	Support Tolophone and Tolograph Co	Telephone rent	25
	Michigan Telephone Co	Telebhone tent	í
	The Northwestern Telephone Evelence	do	18
	New England Telephone and Telegraph Co.	Telegraph service	5
	Pittshore and Moneure Telegraph Line	10	9
	Bellaire, Zanesville and Cincinnati Rwy Co	do	7
	Lake Shore and Michigan Southern Kwy. Co. Vermont Telephone and Telegraph Co. Black Hills Telephone and Telegraph Co. Sunset Telephone and Telegraph Co. Michigan Telephone Co. The Northwestern Telephone Exchange. New England Telephone and Telegraph Co. Pittsboro and Moncure Telegraph Line. Bellaire, Zanesville and Cincinnati Rwy. Co. Alabama, Mississippi and Tennessee Telephone Co.	do	
	phone Co.		
	D O to be Obt	Substation salaries	250
	Pay roll Columbus, Onto		
	Phone Co. Pay roll, Columbus, Ohio. Pay roll, Wilmington, N. C. Pay roll, Charleston, S. C. Pay roll, Augusta, Ga.	do	18 78

ate.	Name.	Nature of payment.	Total.
897.			
lov. 1	Pay roll. Vicksburg, Miss Pay roll, Baltimore, Md. Pay roll, Davenport, Iowa Pay roll, Jacksonville, Fla. Cone & Kimball Co Penn Mutual Life Insurance Co Tacoma Chamber of Commerce and Board of Trade	Subsistence salary	\$73.
	Pay roll, Baltimore, Md	do	45.
	Pay roll, Davenport, 10wa	do	84. 75.
	Cone & Kimball Co	Office rent	99.
	Penn Mutual Life Insurance Co	do	
	Tacoma Chamber of Commerce and Board of	do	60.
	Trade.		
	Central Investment Co	do	163. 37. 60.
	M. E. Conway	do	37.
	L. Mirelas	(10	60.
	L. Littleneld	00	64. 150.
	A P Englecton	do	65.
	Chamber of Commerce Building Co	do	75.
	Catherine Wilson	do	75. 140.
	Geo. S. Waite	do	101.
	Edwd. F. Ebinger	Transportation	101.
	Gideon S. Jones	Traveling expenses	8.
2	Southwestern Telegraph and Telephone Co.	Telephone service	6.
	H. B. Dick	Traveling expenses	32.
	Chac M Strong	do	2. 16.
	Pay roll Minneapolis Minn	Substation salaries	344.
	Pay roll Omaha Nebr	do	914
	Pay roll, New Orleans, La	do	214. 368.
	Penn Mutual Life Insurance Co. Tacoma Chamber of Commerce and Board of Trade. Central Investment Co. M. E. Conway L. Mirelas. L. Littlefield Continental National Bank A. P. Eggleston Chamber of Commerce Building Co. Catherine Wilson Geo. S. Waite Edwd. F. Ebinger Gideon S. Jones Southwestern Telegraph and Telephone Co. H. B. Dick E. H. Emery. Chas. M. Strong. Pay roll, Minneapolis, Minn Pay roll, Omaha, Nebr Pay roll, Mynneapolis, Minn Pay roll, Jones Mich Pay roll, Jones Mich Pay roll, Alpena, Mich Pay roll, Louisville, Ky Atlantic City Gas and Water Co. Galveston Gas Co. New Orleans Gas Light Co. United Gas Improvement Co. Alpena Electric Light and Power Codo	do	75.
	Pay roll, Louisville, Ky	do	285.
3	Atlantic City Gas and Water Co	Gas	1. 21.
	Galveston Gas Co	do	21.
	New Orleans Gas Light Co	do	27.
	United Gas Improvement Co	Til(10	14.
	Proch Floring Light on d Power Co	Electric light	6. 15.
	brush Electric Light and rower Co	do	13.
	Rlake Moffatt & Towns	Paner	11.
	Pacific Transfer Co	Dravage	13.
	E. M. Bowman	do	1.
	Wm. McLaughlin	do	1. 2.
	J. A. Barnes	Coal	84.
	Mills Building, H. H. Taylor, agent	Power and fuel	84. 22. 7. 22.
	Union Ice Co	lce	7.
	Wisconsin Telephone Co	Telephone service	22.
	Great Southern Telephone and Telegraph Co.	do	15. 12.
	The Southern Bell Telephone and Telegraph	do	15.
	Co.		10.
	Adams Express Co	Transportation	36.
	Alpena Mutual Telephone Co	Telephone service	2.
	The Raleigh Telephone Exchange	do	10.
	Michigan Telephone Co	do	2.
	do.	Tolonhone wort	15.
	do	тегерионе гент	13. 17.
	Great Southern Telephone and Telegraph Co.	do	24.
	Sunset Telephone and Telegraph Co	do	15.
	People's Telephone and Telegraph Co	do	7.
	East Tennessee Telephone Co	do	9.
	New York Telephone Co	do	60.
	Northwestern Telephone Exchange	do	9.
	Northwestern Telegraph and Telephone Co.	do	12.
	Alex G Burns	Traveling expenses	12. 5.
	H. P. Hardin	do	20.
	Fred. W. Kirchett	do	7.
	I. M. Cline	Office expenses	5.
	J. W. Smith	do	11.
	H. C. Frankenfield	do	5. 11. 1.
	J. Fitzgerald	do	5.
	The Southern Bell Telephone and Telegraph Co. Alpena Mutual Telephone Co Alpena Mutual Telephone Exchange Michigan Telephone Co. Southern Bell Telephone Exchange Michigan Telephone Co. Southern Bell Telephone and Telegraph Co. do. do. do. Telephone and Telegraph Co. East Telephone Exchange Northwestern Telephone Exchange Northwestern Telephone Exchange Northwestern Telephone Exchange Northwestern Telephone and Telegraph Co. Alex. G. Burns H. P. Hardin Fred. W. Kirchett I. M. Cline J. W. Smith H. C. Frankenfield J. Fitzgerald E. B. Dunn A. F. Sims Pay roll, Kansas City, Mo Union Paper Box Co L. M. Carter H. S. Matthews American Type Founders Codo. Chas. Cooper & Co	do	10.
	A. F. SIMS	Substation relati	276.
	Union Poper Roy Co.	Substation salaries	276.
	L. M. Carter	Oil	7. 1.
	H. S. Matthews	Oil etc	2.
	American Type Founders Co	Supplies	16.
		Ouppited	83.

$Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,1898-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total.
897.			
v. 3	J. W. Barker	Zine	\$2.0
	R. Carter Ballantyne	Pens	2.
	J. W. Barker R. Carter Ballantyne The Maurice Joyce Engraving Co.	Electrotype plates	2.3 13.4 13.6
	do	do	13. (
	Wyoming Midland Telegraph Co	Telegraph service	47.8
	W. H. Holmes	do	6.4
	Puget Sound Telegraph Co	do	111. (
	Duluth, Superior and Western Rwy. Co	do	2.0
	Descript Tolograph Co	do	6.0
	Carolina Midland Pwy Co	do	100.
	Parkershurg Sentinel	Printing weekly bulletin	15. 4 34. 8
	Dora Moven	Washing flags and towels	6. (
	Washington Libby.	Repairing instrument shelter	2. 0 19.
	Tibbetts & Montgomery	Repairing flagstaff	19.
	Jno. J. Mooney	Repairing rain gauges	2. (
	The Only Toilet Supply Co	Washing towels	4.
	M. B. Boone	do	3. (
	The Marrice Joyce Engraving Codo. doWyoming Midland Telegraph Co. W. H. Holmes	Services	2.
	Chas. Tate	do	5. (
	B. Steinhilber	do	2.
	Kata E Barralda	00	4.
	S Nordlinger	Panairing alack	15.0
	C. F. Jones	Repairing seegest telegraph line	5.
	Engels & Grett	Painting office	17.
	Chas. Tate B. Steinhilber Alpena Electric Light Co Kate E. Reynolds S. Nordlinger C. F. Jones Engels & Grett Robinson & Townsley Louisville and Nashville R. R. Co Burlington and Missouri River R. R. in Ne-	Services	5.
	Louisville and Nashville R. R. Co	Transportation	1.0
	Burlington and Missouri River R. R. in Ne-	do	. 4
4			
	United States Express Co	do	31.
	Grand Trunk R. R. Co. of Canada	Passenger transportation	6. (
	Chicago and Northwestern R. R. Co	do	2.
	Pennsylvania R. R. Co	do	13. (
	Central R. R. Co. of New Jersey	do	6. 5 50. 6
	E.J. Davenport	Office rent	50.0
	Draska. United States Express Co. Grand Trunk R. R. Co. of Canada. Chicago and Northwestern R. R. Co. Pennsylvania R. R. Co. Central R. R. Co. of New Jersey E. J. Davenport The First National Bank H. Bolton	do	66. 3 52. 8
	Salt I also Roard of Trade	do	100.0
	H H Taylor agent Mills Building	do	300.
4	Rudolph, West & Co.	Sieves for printing office	2.5
	The First National Bank H. Bolton Salt Lake Board of Trade H. H. Taylor, agent Mills Building Rudolph, West & Co do The Maurice Joyce Engraving Co. E. Morrison Paper Co. do The Nicolia Bros. Co. Cooper & Levy Buffalo Electric Co. Williamson Law Book Co.	Halvards	37. 32.
	The Maurice Joyce Engraving Co	Supplies	37.
	E. Morrison Paper Co	Rubber bands	32.
	E. Morrison Paper Codo. do. The Nicolia Bros. Co Cooper & Levy. Buffalo Electric Co Williamson Law Book Co H. S. Crocker Co Jno. C. Gibson A. N. Bolles	Paper for printing office	6.
	The Nicolia Bros. Co	Supplies	9. ' 11. :
	Describe The state of	Coal oil, etc	11.
	Williamson Law Pools Co	Introductions of	2.
	H S Crooker Co	Tuk, matches, etc. Copy press, etc. Drayagedo	35.
	Ino C Gibson	Dravage	1.
	A. N. Bolles	do	1. 2.
	A. N. Bolles Mark Downey. Gregory Bros. Barnhart Bros. & Spindler Knickerbocker Lee Co Pacific States Type Co. Chas. Shea Thos. H. Tuckerman S. Shockley. Lee Edgargery in	Stove	9.
	Gregory Bros.	Shades	3.
	Barnhart Bros. & Spindler	Type	1.
	Knickerbocker Ice Co	Ice	3.
	Pacific States Type Co	Type	
	Chas, Shea	Services	30.
	Thos. H. Tuckerman	Services and material	5.
	S. Shockley	Type Services Services and material. Making bracket Services do Painting instrument shelters.	1.
	Jos. Kidgeway, Jr	Services	139. 27. 5.
	Jos. Ridgeway, Jr Jno. S. Barney Arthur Huntington Jos. A. Bickford	Pointing instrument shelters	41.
	Tog A Rightford	Services	15.
			15 (
	A. W. Roberton	do	1.
	Silver State Towel Supply Co	Toilet services	2.
	A. W. Roberton Silver State Towel Supply Co C. C. Randolph	do Toilet services Printing weather and crop bul-	1. 5 2. 5 22. 5
	*	letins.	
	Alex. Revell & Co	Oak cases	43. (
	L. M. York	Services	1. (
	Detroit Electric Wiring and Repair Co	do	5. (
	Walter Scott & Co	do	30.7
	Cincinnati, New Orleans and Texas Rwy. Co.	Passenger transportation	21.
	Alex, Revell & Co. L. M. York Detroit Electric Wiring and Repair Co. Walter Scott & Co. Cincinnati, New Orleans and Texas Rwy. Co. Detroit and Cleveland Navigation Co. Galveston Cotton Exchange. Richmond Chamber of Commerce First National Bank, Portland, Me.	do	190.6
	Bishmond Chamber of Communication	Oince rent	120. 6 145. 0
		4441	14.1.

Date.	Name.	Nature of payment.	Total.
1897.			
ov. 4	S. A. Potter	Traveling expenses	\$39.
	E. A. Beals	do	46
	W. H. Fallon	do	7.1
	W. W. Neifert	Office expenses	7. : 6. : 5. :
	C. F. R. Wappenhaus	do	5.
	L. N. Jesunoisky	do	1.
	Fred & Tohnson	do	1.
	M Wright	đo	1. 2.
	Rell Telephone Co. of Ruffelo	Telegraph service	1.
	Fort Worth and Denver City Rwy Co	do	10.
	North American Telegraph Co	do	14.3
	Great Northwestern Telegraph Co. of Canada	do	172.
	J. T. Harper	do	11.
	S. A. Potter E. A. Beals W. H. Fallon W. W. Neifert C. F. R. Wappenhaus L. N. Jesunofsky Jas. Kenealy Fred S. Johnson M. Wright Bell Telephone Co. of Buffalo. Fort Worth and Denver City Rwy. Co North American Telegraph Co. Great Northwestern Telegraph Co. of Canada J. T. Harper Philadelphia, Reading and Pottsville Telegraph Co.	do	8.0
	Jacksonville and St. Johns Bar Telegraph Co.	do	8.
	Central Union Telephone Co Southern Bell Telephone and Telegraph Co	Telegraph rent	39. (7.)
	C. O. Pick	Drayage	1.0
	W. H. Renear	Team and services	1. 32.
	M. G. Copeland & Co	Flags	528.
	D. D. B00Ze	Services	1.
	Louis P Christhilf	do	4. 15.
5	Southern Ben Telephone and Telegraph Co. C. O. Pick W. H. Renear M. G. Copeland & Co. D. D. Booze Robt, W. Bailey Louis R. Christhilf L. Rogers S. J. Ephylics	Hire horse and cart	30.
0	S. L. Robbins do do	Printing monthly bulletins	30.
	do	do	30.
	do	do	30.
			18.
	L. Rogers	do	15.
	L. Rogers. Malachi Corbet. Santa Fe Electric Telephone Co. North American Telegraph Co.	Hire horse	6.
	Santa Fe Electric Telephone Co	Telephone rent	6.
	Town Tolophone Co	Telegraph service	13.
	North American Telegraph Co. Iowa Telephone Co. Great Southern Telephone and Telegraph	do	2. 12.
			00
	Co. Ocean Towboat Line East Louisiana R. R. Co. Chesterfield Telephone and Telegraph Co. Pay roll, New Orleans, La. Pay roll, Des Moines, Iowa	(10	60.
	Chesterfield Telephone and Telegraph Co	do	7. 7. 67.
	Pay roll, New Orleans, La	Substation salaries	67
	Pay roll, Des Moines, Iowa	do	234.
	Alburtus Swain Glaenzer Fréres & Rheinboldt	Instrument stands	190.
1	Glaenzer Fréres & Rheinboldt	Thermograph bulbs	77.
	do	Ink Kite meteorograph	19.
	Schneider Bros.	Kite meteorograph	150.
	do	Thermometers. Traveling expenses	685.
	Polyt I Andorson	Traveling expenses	50. 16.
	E B Baldwin	do	10.
	J. Warren Smith Robt. L. Anderson E. B. Baldwin A. E. Hackett W. M. Wilson	Office expenses	4.
	W. M. Wilson	do	17.
	A. E. Hackett W. M. Wilson Wm. J. Reed International and Great Northern R. R. Co Southern Pacific Co. International Telephone and Telegraph Co C. D. C. Thompson R. Q. Grant H. C. Frankenfield E. H. Nimmo	do	2.
	International and Great Northern R. R. Co	Passenger transportation	15.
	Southern Pacific Co	do	51.
15	International Telephone and Telegraph Co	Telephone service	18.
	P. O. Cront	Traveling expenses	12.
1	H C Frankanfald	do	15. 11.
	E. H. Nimmo	do	9
	Edwin N. Brown	do	10
	Jno. R. Sage	do	50.
	Pay roll, Little Rock, Ark	Substation salaries	10. 50. 270.
	Pay roll, Wilmington, N. C.	do	43.
	H. Č. Frankenfield E. H. Nimmo Edwin N. Brown Jno. R. Sage Pay roll, Little Rock, Ark. Pay roll, Wilmington, N. C Pay roll, Atlanta, Ga Pay roll, New Orleans, La Pay roll, New Orleans, La Pay roll, New Work, N. Y F. H. Brandenberg J. B. Marbury Jno. Grover C. F. von Herrmann Cyrus Ellenberg	do	62.
	Pay roll, New Orleans, La		126.
	E H Brandenberg	Office expenses	45.
	J R Marbury	omce expenses	1.
	Jno. Grover	do.	2.
	C. F. von Herrmann	do	4.
	Cyrus Ellenberg	do	2.
	A. J. Mitchell	do	2.
	D-4-1-1- T D-14-	do	49.
	ratrick J. Bolton		
	Cyrus Ellenberg A. J. Mitchell Patrick J. Bolton W. H. Fallon J. H. Smith J. G. Barstow	do	1. 2.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd},$

Date.	Name.	Nature of payment.	Total.
1897.			
Vov. 15	Bell Bros	Repairing office clock	\$1.
			2.
	A. Lynde	Repairing clock of barograph	1.
	Hoke Engraving Plate Co	Recoating plate	62.
	W.E. Wheeler	Printing weekly bulletin	32.
	A. Lynde. Hoke Engraving Plate Co. W. E. Wheeler H. N. Campbell. Deseret News Publishing Co. Jno. J. Veeder A. Drinkwater H. A. Drinkwater Flice C. Creeker	Printing weekly bulletin Towel supply Printing weekly bulletin	3. 21.
	Jno J Veeder	Repairing telegraph cable	45.
	A. Drinkwater	Repairing telegraph line	40.
	H. A. Drinkwater	Services	9. 12.
	Elisa C. Crocker Clara M. Fassett	Services	10.
	Clara M. Fassett		5.
	F. A. Schmidt Jno. Schultzback Thos. Somerville & Sons	Rules for printing office Rain gauges. Supplies Clamps	1.
	Jno. Schultzback	Rain gauges	260.
	thos. Somervine & Sons	Clamps	42. 6.
	W. B. Moses & Sonsdo.	Deelz	91
	do	Desk Cocoa mats Mineral oil	21. 20. 8.
	E. L. Faunce	Mineral oil	8.
	Geo. Meier & Co.	Sieves	2.
	Geo. Meier & Co United States Desk and Office Fitting Co	Sieves	68.
	Julien P. Friez C. S. Braisted	Supplies	159.
	U. S. Braisted.	Supplies Steel pens Stand	1.
	J. A. Ferris & Sons	Sawdnet	2. 2.
	R. B. Merrill	Ice	3.
	Belt & Dyer	Icedo	9
	Negetyle Co	Cyclostyne nens	9. 205.
	Chas. Cooper & Co	Ammonia	5.
•	Chas. Cooper & Co. Little Rock Edison Electric Light Co	Ammonia	6 67
	Peter Gray R. H. McAlpine Edison Electric Illuminating Co Barnard Brown	Lanterns	67.
	R. H. McAlpine	Grate	1.
	Edison Electric Illuminating Co	Lamp Office rent	6.
	The Frie and Western Transportation Co	Passanger transportation	105. 12.
	Norfolk and Washington Steamhoat Co	do	3.
	Baltimore and Ohio Southwestern Rwy, Co.	do	9.
	Southern Rwy. Co.	do	17.
	Barnard Brown. The Erie and Western Transportation Co Norfolk and Washington Steamboat Co Baltimore and Onio Southwestern Rwy. Co Southern Rwy. Co Pennsylvania Co United States Express Co C. O. Pick E. F. Ebinger Wabāsh E. R. Co	do	16.
16	United States Express Co	Transportation	39.
	C. O. Pick	do	2.
	E. F. Ebinger	00	-
	Virginia and Trueltoe P. P. Co	do	1. 2.
	Wabash R. R. Co. Virginia and Truckee R. R. Co. Nashville, Chattanooga and St. Louis Rwy.	do	2
	Norfolk and Southern R. R. Co. Pay roll, Savannah, Ga. Pay roll, Charleston, S. C. Pay roll, Charleston, S. C. Wyckoff, Seamans & Benedict. Geo. P. Conner	Passenger transportation	4
	Pay roll, Savannah, Ga	Substation salaries	66
	Pay roll, Charleston, S. C	do	24
	Pay roll, Charleston, S. C.	dc	35
	Wyckoff, Seamans & Benedict	Repairs to typewriter	9
	Wyckoli, Scamars & Benedict. Geo. P. Conner V. E. Campbell J. C. Entwistle	Popoiring aloak	4 3
	J. C. Entwistle	Engraving, printing office	5
			10
	J. E. Turton. Melville Lindsay.	do	30.
	J. E. Turton.	Map frames Rubber blankets	82 39
	Melville Lindsay	Rubber blankets	39
	Postal Telegraph Cable Co. New England Telephone and Telegraph Co.	Telegraph servicesdododo	254
	Pacific Postal Talegraph Cable Co.	do	27. 27. 2.
	Chicago, Burlington and Northern R. R. Co	do	2
	Pacific Postal Telegraph Cable Co. Chicago, Burlington and Northern R. R. Co. Duluth, Superior and Northeastern Rwy. Co.		9
	W. N. Taylor	Drayage	. 2.
	Seth Graham & Son	Drayagedo	2.
	W. N. Taylor Seth Graham & Son Edwards & Bronghton Citizens' Gas and Electric Co.	Case	1.
17	Coo H Hagen	Gas	1. 12.
17	Geo. H. Hagen E. C. Spencer	traveling expensesdo	10.
	Geo. D. Bontcher	do	30.
	Geo. D. Boutcher Louisville and Nashville R. R. Co Detroit, Grand Haven and Milwaukee Rwy.	Passenger transportation	3. 29.
	Detroit, Grand Haven and Milwankee Rwy.	do	7.
	Co.		
	International and Great Northern R. R. Co.	Telegraph services	25.
	Michigan Telephone Co. Great Northwestern Telegraph Co. of Canada.	Telegraph services	167.
	Great Northwestern Talegraph Co of Canada	do	167.
	Philadelphia, Reading and Pottsville Tele-	1.	10.

Date.	Name.	Nature of payment.	Total.
1897.	D.H. D.	W. I. T. A.	
ov. 17	B. H. Doster The J. F. W. Dorman Codo	Wood, oil, etc	\$42.4 10.0
	The J. F. W. Dorman Co	Logotypes Self-inking pads Oil and brooms	35. 2
	Fred Albright	Oil and brooms	9, 8
	Jno. P. Nawrath	Twine	7. 0
	Jno. P. Nawrath C. W. Carlin	Repairing Weather Bureau build-	54. 0
		ings.	
	L. Naegele & Sons	Printing Monthly Climate Reports.	25.0
	A. E. Heath	Services	3.7
	D. M. Goulter The Friedenwald Co.	Damon	1. 2
	E. C. Ewer	Pongining	167. 4 5. (
	Chas. A. Ralitean S. L. Robbins Alex. Revell & Co.	Repairing do Services Repairs to table	3. (
	S. L. Robbins	Services	30.0
	Alex. Revell & Co	Repairs to table	
	F.J. Hart	Furnishing poles	30.0
	J. A. Widner	Poles	1.7
	Geo. E. Franklin	Office expenses	. 9
	Vandalia Lina	Transportation	. 8
	S Renjamin	do	1.2
	Alex. Revell & Co. F. J. Hart. J. A. Widner Geo. E. Franklin Baltimore and Ohio Southwestern Rwy. Co. Vandalia Line. S. Benjamin Pennsylvania R. R. Co. Baltimore and Ohio Southwestern Rwy. Co. Wabash R. R. Co. American Type Founders' Co. dodo. D. Stormout. New Era Printing Co. Jno. C. Parker. dodo. Jas. B. Lambiedodo. Jas. B. Lambiedo.	do	. 5
	Baltimore and Ohio Southwestern Rwy, Co	do	. 4
	Wabash R. R. Co	do	. 4
18	American Type Founders' Co	Supplies	16. 5
	do	do	3, 3
	D Stampart	Oil cool and mood	7.6
	New Fra Printing Co	Type	85. (4. 5
	Jno (! Parker	Paper printing office	130.3
	do	Paper, printing office do Cardboard Supplies Wire Oil	10.9
	do	Cardboard	1, 160. (
	Jas. B. Lambie	Supplies	1.7
	Jas. B. Lambie do. Geo. F. Muth & Co.	Wire	9. 7
	Geo. F. Muth & Co	011	4. 4
	F M Rowman	Benzine	4. 6 1. 5
	A C Smith	Oil	. 7
	Thos. P. Gable (postmaster)	Post-office box	1. 5
	Williams & Hanks	Zinc	6.0
	Pay roll, Vicksburg, Miss	Substation salaries	24. 8
	Southern Rwy. Co	Passenger transportation	8.4
	Andw. B. Graham	Engraving on stone	200.0
	Puget Sound Telegraph Cable Co	Telegraph services	16. 4 58. 5
	do. E. M. Bowman A. C. Smith. Thos. P. Gable (postmaster). Williams & Hanks. Pay roll, Vicksburg, Miss Southern Rwy. Co. Andw. B. Graham Pacific Postal Telegraph Cable Co. Puget Sound Telegraph Co. Alabama and Georgia Long Distance Telephone Co.	do	3.0
	phone Co.		0. (
	International Ocean Telegraph Co	do	304.6
19	Barnhart Bros. & Spindler	Туре	40.4
	do	Supplies	7. 5
	Pay roll, Montgomery, Ala	Substation salaries	43.4
	N. B. Conger	Onice expenses	5.0
	J. E. Lanonette	do	2. (
	Chicago Edison Co	Electric-light bulbs	5, 2
	Frank Simmons	Ink etc	9 6
	J. P. Friez	Barographs	1, 387. 5
	Addressograph Co	Printing office supplies	48. 6
	Philadelphia Photo-engraving Co	(0)	32. 5
	M F Hares	Dragage	
	A. Pearson	Services and material	14. 8
	Jno. Creswell	Recasting rollers	4. (
	American Type Founders' Co	Services and material	3, 9
	do	do	8. 7
	J. R. Bourne	do	1.3
	Leke Shore and Michigan Santhan B	Passenger transportation	9. (
	Old Colony Steamhoat Co.	do	18. (
22	Alabama and Georgia Long Distance Telephone Co. International Ocean Telegraph Co. Barnhart Bros. & SpindlerdodoDay roll, Montgomery, Ala R. E. Kerkam N. B. Conger J. E. Lanonette Chicago Edison Co Frank Simmons J. P. Friez Addressograph Co. Philadelphia Photo-engraving Codo M. F. Hayes A. Pearson Jno. Creswell American Type Founders' Codo. J. R. Bourne Central R. R. Co. of New Jersey Lake Shore and Michigan Southern Rwy. Co. Old Colony Steamboat Co. Pay roll, Portland. Oreg Pay roll, Portland. Oreg Pay roll, Memphis, Tenn N. B. Conger Hoke Engraving Plate Codo.	Substation calaries	4. (31. 5
	Pay roll, Memphis, Tenn	do	74.4
	N. B. Conger	Traveling expenses	11. 8
	Hoke Engraving Plate Co	Recoating plates	24. (
	do	do	54. 8
	do	do	37. 5 37. 5
	T C II	do	37. 5
	n. G. Hart	Horse hire	1. 5

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd},$

Date.	Name.	Nature of payment.	Total.
1897.			
Vov. 22	New Orleans and Northeastern R. R. Co	Passenger transportation	\$5.
	Evansville and Terre Haute R. R. Co Jacksonville and St. Johns Bar Telegraph	Telegraph services	13.
	Jacksonville and St. Johns Bar Telegraph	Telegraph services	8.
	Co. Hoke Engraving Plate Co	Plates for maps	24.
	Wm. F. Koston	Supplies	15.
	Wm. F. Koston The White-Corbin Co A. M. Schweick Geo. Barry Mackall Bros. & Flemer	Flates formaps Supplies Envelopes Drayage Transportation Cream of tartar Sharpening knives Sarvices	29.
	A. M. Schweick	Drayage	2.
27	Mackell Prog. 6 Florer	Transportation	2.
21	Andrew Renz	Sharpening knives	3.
	Andrew Renzdo Forsberg & Murray J. W. Byram Jno. P. Church et al W. F. R. Pbillins	Services	1.
	Forsberg & Murray	Services	85.
30	J. W. Byram	Office expenses Salaries printing office	2, 363.
	Jno. P. Church et al	Salaries printing office	2, 363.
	N. F. Chutren et al. W. F. R. Phillips Pay roll, Galveston, Tex Pay roll, Mobile. Ala Pay roll, New Orleans, La	Salaries climatology. Substation salaries do	163.
ec. 3	Pay roll Mobile Ale	do	549. 49.
	Pay roll New Orleans La	do	124.
	W. H. Lirely	Traveling expenses	1.
	R. J. Hyatt	do Traveling expenses do do do	15.
	J. C. Hayden	do	2.
	Pay roll, New Orleans, La W. H. Lirely R. J. Hyatt J. C. Hayden Fulton Iron and Engine Works. W. C. Newton & Co. Sandusky Electric Light Co. A. W. Larimore The Elsie Roller Composition Co. Mary C. Ward	Repairs to printing press. Recasting rollers Services and material Repairing typewriter Casting rollers.	1.
	W. C. Newton & Co	Services and metarial	8. 25.
	A W Larimore	Renairing typewriter	5.
	The Elsie Roller Composition Co	Casting rollers.	2.
	Mary C. Ward H. R. Mason L. F. Lane	Services	5
	H. R. Mason	Services and material	7.
	L. F. Lane	Services and material. Repairing office chairs Services	3.
	Thos. Gairns Geo. R. Holt	Panairing abairs	15.
	Vance Printing Co	Repairing chairs. Printing monthly climate reports.	61.
	The W. O. Hickok Manufacturing Co	Ink, printing office	2.
	The W.O. Hickok Manufacturing Co J. H. Bunnell & Co	Ink, printing office	20.
	W. L. King	Wax	
	Broderick Bros.	Wax Rags, printing office Type Drayage	14.
	Gether & Drebert Jno. C. Gibson Patterson Transfer Co.	Type	1.
	Patterson Transfer Co	Diayagedo	2.
	W. N. Taylor	do	1.
	Norfolk and Washington Steamboat Co	Transportation	3.
	Baltimore and Ohio Southwestern Rwy. Co	do	24. 6.
	Three on Poilway and Navigation Co	do	6.
	S Renjamin	Dravage	
	Chesapeake and Ohio Rwy, Co	Transportation	
	Missouri Pacific Rwy. Co	do	
	Adams Express Co	do	74.
	B. L. James	Benzine	1.
	Now Frederic Tolophore and Tolograph Co	Tolograph sarriess	7.
	Patterson Transfer Co. W. N. Taylor Norfolk and Washington Steamboat Co. Baltimore and Ohio Southwestern Rwy. Co. do. Ilwaco Railway and Navigation Co. S. Benjamin Chesapeake and Ohio Rwy. Co. Missouri Pacific Rwy. Co. Adams Express Co. B. L. James. J. E. Honig & Co. New England Telephone and Telegraph Co. Jno. Creswell.	Alterations to maps	2.
7	Clause on Dahimaan	Two realing own on and	4.
	E. E. Spencer	Office expenses	15.
	Carence ROBINSON E. E. Spencer E. A. Evans M. J. Wright, jr Pittsburg, Cincinnati, Chicago and St. Louis	Office expensesdodo	5.
	M. J. Wright, jr	Passanger transportation	1. 12.
	Rwy Co	Passenger transportation	12.
	Rwy. Co. The Werner Co. L. H. Jones & Co	Maps	1,656
	L. H. Jones & Co	Recasting press rollers	2.
	A. A. Springs	Services	35.
	Street Bros	do	40.
	The Kobert Clark Co	Pula casas	1. 1.
	Towa Telephone Co	Telegraph services	2.
	Northern Telephone Co	do	2. 7. 7.
	W. J. Lettice	do	7.
	Southfield Telephone Co	do	4.
	The Werner Co. L. H. Jones & Co. A. A. Springs Street Bros. The Robert Clark Co. Spahr & Glenn Iowa Telephone Co. Northern Telephone Co. W. J. Lettice. Southfield Telephone Co. East Louisiana R. R. Co. Ocean Towboat Line. Chicago, Burlington and Northern R. R. Co.	do	2.
	Objects Purplington and Northern B. D. C.	00	30.
	Fort Worth and Denver City Rwy Co.	do	30. 2. 11.
	East Louisiana R. R. Co. Ocean Towboat Line Chicago, Burlington and Northern R. R. Co. Fort Worth and Denver City Rwy, Co. Little Northern Telegraph Co. Edw. F. Ebinger. Steamer G. W. Danielson Colorado River and Puget Sound Navigation Co.	do	25.
8	Edw. F. Ebinger.	Drayage	1.
	Steamer G. W. Danielson	Transportation	2.
	Colour de Dimen and Donnet Come d Manier	do	

Date.	Name.	Nature of payment.	Total.
1897.	Clarity of Charles of China and St. Tonia	Thomas antation	ф0. Т
Dec. 8	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation	\$0.7
	Louisville and Nashville R. R. Louisville, Evansville and St. Louis Consolidated R. R.	do	. 8
	solidated R. R.		. 2
	solidated K. K. Chicago, Burlington and Quincy R. R. Co. Baltimore and Ohio R. R. Co. Grand Trunk Rwy. Co. American Type Founders' Co. do. do. do. do.	do	3, 8
	Grand Trunk Rwy Co	Passenger transportation	4. 0
	American Type Founders' Co	Type, etc.	5. 3. 6. 7.
	do	do	62.4
	do	Printing ink.	21.1 47.2 11.5
	do	Type	11. 5
	Barnhart Bros. & Spindler	Type	1.3- 12.2
	do do do Barnhart Bros. & Spindler do Geo. Meier & Co. Mackall Bros. & Flemer E. Morrison Paper Co. The Friedenwald Co L. N. Jesunofsky. Pay roll, Woods Hole, Mass Pay roll, New York, N. Y N. B. Conger F. P. Holt West Texas Saddlery Co. McLean & Keays L. M. Lee Hoke Engraving Plate Co. do do	Type Supplies Type do Acid, gallic Acid, gallic Paper Office expenses Substrain salaries	12. 2 2. 79 30. 7
	Geo. Meier & Co	Supplies	30.7
	E. Morrison Paper Co.	Bookbinders' cloth	5. 7
	The Friederwald Co	Paper	300.0
	Pay roll, Woods Hole, Mass	Substation salaries	1.50 40.0
	Pay roll, New York, N. Y.	do	45. 0
	F. P. Holt	do do	16.7
	West Texas Saddlery Co	Traveling expensesdo Repairing chairs.	19. 8 3 5
	McLean & Keays.	Drop light Erecting flagstaff Supplies Recording plates	10.0
	Hoke Engraving Plate Co.	Supplies	25. 2
	do	Recording plates	25. 2 37. 5
	do	do	40. 5 37. 5
	do	do	50.0
16	S. L. Robbins.	Printing monthly reports	30. 0 9. 7
10		(10)	351. 0
17	Boston and Albany R. R. Co. Duluth, South Shore and Atlantic Rwy. Co.	Passenger transportationdo	10.6
	St. Louis and San Francisco R. R. Co	do	12.03 12.80
	St. Louis and San Francisco R. R. Co	do	30.30
			16. 30
	Pennsylvania R. R. Co Chesapeake and Ohio Rwy. Co Duluth, Superior and Western Rwy. Co. New England Telephone and Telegraph Co. The Bell Telephone Co. of Buffalo. Great Northwestern Telegraph Co. of Can-	do	11.00
	Chesapeake and Ohio Rwy. Co	Telegraph carries	40.00
	New England Telephone and Telegraph Co.	do	2. 50 2. 50 2. 20
	The Bell Telephone Co. of Buffalo	do	2. 20 169. 58
	ada.		109. 38
	ada. Enterprise Telegraph Co E. A. Beals H. R. Boynton W. S. Palmer Henry D. Stewart J. G. Gardiner	do	5. 10 40. 23
	H. R. Boynton	Traveling expensesdo	40. 2.
	W. S. Palmer	do	12.50
	L G Gordiner	do	1. 1 10. 5
	S. B. Pfanner Pay roll, New York, N. Y Klein & Boesche Stout & Tyler	Office expenses	2, 7
	Payroll, New York, N. Y.	Office expenses Substation salaries Services and material	20.0
	Stout & Tyler.	do	50.0 4.0
	L. Nacgele & Sons.	Printing monthly reports	25, 00
	Matt Dorrity	Services	10.00
	Klein & Boesche Stout & Tyler. L. Nacgele & Sons. Stout & Tyler Matt Dorrity A. E. Heath J. F. Tompkins Malachi Corbet	do	7. 00 8. 7
	J. F. Tompkins	Transportation	8. 78 2. 00
	Bongernagel & Co	Recasting rollers	2.10
	A. S. Griffin & Co.	Renovating furniture Hire, horse and wagon	23.00
	Frank Golark, ir	Hire, horse and wagon Services	5.00 6.23
	J. N. Roebling's Sons Co.		3.78
	J. E. Stechert Jno Chatillon & Sons	Copying British Code list	1.50
	Philadelphia Photo-Engraving Co	Supplies	4. 00 6. 00
	J. F. Tompkins Malachi Corbet Bongernagel & Co. A. S. Griffin & Co. A. L. Peterson Frank Golark, jr J. N. Roebling's Sons Co. G. E. Stechert Jno. Chatillon & Sons. Philadelphia Photo-Engraving Co. do. Washburn & Moen Manufacturing Co. J. E. Baum	Supplies Copying British Code list. Steel springs Supplies do Coils of telegraph wire Coal Drayage Rug	. 78
	J. E. Baum	Coal	121. 7 59. 7
	Henry Pitts Rigby & Wilson	Dravage	2.0

Date.	Name.	Nature of payment.	Total.
1897.			
Dec. 17	L. & M. Alexander & Co	Ratchet spring	\$0.50
10	Schaber, Reinthal & Co	Traines Repairing typewriter. Transportation Chairs Benzine	4,00
18	Fradk Springmann	Transportation	14.00 85.06
21	Fredk. Springmann W. B. Moses & Sons Geo. F. Muth & Co W. B. Moses & Sons do	Chairs	14.40
	Geo. F. Muth & Co	Benzine	4, 77
	W. B Moses & Sons	Linoleum Office furniture	4.77 16.25
	do	Office furniture	30. 75
	The Smith Premier Typewriter Co	Supplies Typewriter stand	2 25
	do	do	75. 33 2. 25 2. 25
	do The Smith Premier Typewriter Codo Geo. F. Muth & Co. Rudolph, West & Codo.	do Supplies do	108, 50
	Audoiph, west & Co	do	22. 00 3. 90
		Nails	3. 24
	Jno. C. Parker	Cardboard	1, 160.00
	do do	Map paper	796, 00
	do	Book paper	432, 50 432, 50
	do The Maurice Joyce Engraving Co. do . do	Nails . Cardboard	38. 19
ũ	do		8. 91
.*	do do do Annie E. Darr W. C. Newton & Co J. Baumgarten & Sons do Easton & Rupp United States Express Co Southern Rwy. Co Jno. P. Church et al W. F. R. Phillips et al Geo. T. Todd	Supplies	12.86
29	Annie E. Darr	Services	. 68 12, 24
40	W. C. Newton & Co	Repairing paper cutter	5. 00
	J. Baumgarten & Sons	Rubber stamps	27. 00 53, 24
	do	Repairing paper cutter Rubber stampsdo Cardboard Transportation Passenger transportation. Salaries	53, 24
	Easton & Rupp	Cardboard	25, 50 39, 76
	Southern Rwy. Co.	Passenger transportation	48. 45
	Jno. P. Church et al	Salaries	2, 374. 40
	W. F. R. Phillips et al	do	168.40
	Geo. T. Toga	Services	101. 10
	Total second quarter		58, 933, 75
1898.			
Jan. 3	Fred. A. Schmidt	Chalk Engraving chart Flags Transportation	7.70
	J. C. Entwistle	Engraving chart	5. 00 115. 00
4	Pioneer Truck Co	Transportation	6, 75
	J. C. Entwistle M. G. Copeland & Co Pioneer Truck Co Burlington and Missouri River R. R. in Nebraska.		6. 75 17. 01
	Michigan Central R. R. Co	Passenger transportation	25. 08 13. 55
1	Pwy Co		
	Wabash R. R. Co	do	12.70 11.00
	Great Northern Pwy Co	do	35. 00
	Wabash R. R. Co Pennsylvania Co Great Northern Rwy. Co Lake Shore and Michigan Southern Rwy. Co.	do	18. 75 6. 75
1	Jacksonvine and St. Johns Dar Telegraph	Telegraph service	6. 75
3	Line. Alabama and Georgia Long Distance Tele-	do	.6. 00
	phone Co. Carolina Midland Rwy. Co International Ocean Telegraph Co Pay roll, Oswego, N. Y Pay roll, Pensacola, Fla. Jno. A. Roebling's Sons Co Knox & Love Zion's Cooperative Mercantile Institute.	do	5. 20
	International Ocean Telegraph Co	do	189, 30
	Pay roll, Oswego, N.Y.	Substation salaries	79, 47
1.8	Pay roll, Pensacola, Fla	do	36, 00 57, 20 2, 00
	Knox & Love	Supplies Oil and matches Grate, stove, etc	2.00
	Zion's Cooperative Mercantile Institute	Grate, stove, etc	3, 30
	Jos. Gussenhoven	Rugs, etc	4.50
	American Type Founders' Co.	Wire Supplies Type	4.50 12.50 7.92
	Barnhardt Bros. & Spindler	Type	1. 69
	G. S. Congdon Hardware Co	Stove	15, 50
	Jos. Gussenhoven The Okonite Co., Limited American Type Founders' Co Barnhardt Bros. & Spindler G. S. Congdon Hardware Co Fred. W. Vaughan Co H. C. Breeden Co	Carnet	2, 25 5, 25
	Pacific States Type Foundry	Ribbon for typewritersCarpetInk	1.50
	H. C. Breeden Co Pacific States Type Foundry. The S. B. Hubbard Co P. Minor W. J. John Victor E. Swanson		15. 60
	P. Minor	Ice	2.90 7.50
	Victor E. Swanson	Cleaning clock	2, 50
	E. W. Stevens	Correcting electrotype plate	2,00
	C. C. Randolph	Ice Cleaning carpets Cleaning clock Correcting electrotype plate Printing monthly reports.	7.50
	E. W. Stevens C. C. Randolph J. E. Miller Joslin & Park	Cleaning clockdo	1.00 2.00
	S. L. Robbins	Service on monthly bulletins	30.00

ate.	Name.	Nature of payment.	Total.
.898.	S. Spitz. R. J. M. Only The Smith Premier Typewriter Co. Fulton Iron and Engine Co. Pearson & Letzig Ark Pump and Pipe Co. H. A. Drinkwater Alpheus Drinkwater Ellis Jermin Chas. Falk Fred Garrecht Hoke Engraving Plate Co. do. Pacific Telephone and Telegraph Co. H. H. Curley H. E. Wilkinson Jos. P. Bolton H. C. Bate Jno. C. Piercy T. S. Collins Alex. G. Burns W. H. Hammon H. M. Phillips W. W. Neifert H. C. Frankenfield Richmond, Fredericksburg and Potomac R. R. Co. Narragansett Pier R. R. Co.		
a. 3	S. Spitz	Repairing register clock	\$2. 2.
	R. J. M. Only	Repairs to river gauge	2.
	The Smith Premier Typewriter Co	Repairs to typewriters	2.
	Fulton Iron and Engine Co	Repairs to printing press	4.
	Pearson & Letzig	Services	3.
	H A Driplywater	Pensiring telegraph line	18. 7.
	Alphone Drinkwater	do	20
	Fllie Jarmin	do	5.
	Chas Falk	Services and material	12
	Fred Garrecht	Repairs to river gauge	12
	Hoke Engraving Plate Co	Services	37
	do	Supplies	11
	Pacific Telephone and Telegraph Co	Telephone service	15
	H. H. Curley	Express charges	1
	H. E. Wilkinson.	Drayage	2
	Jos. P. Bolton	Office expenses.	8
	H. C. Bate	do	3
	Jno. C. Piercy	do	3 1 1
	T. S. Collins	do	1
	Alex. G. Burns	do	1
	W. H. Hammon		8
	W. W. Noifort	Traveling ernenges	5 3
	H. C. Frankenfield	do de la ravenng expenses	7
5	Richmond Frederickshurg and Potanica	Transportation	, 1
J	R. R. Co.	Transportation	, 1
	Narragansett Pier R. R. Co	do	1
	Wabash R. R. Co	do	4
	Oregon Railway and Navigation Co	do	4
	Vandalia Line	do	3
	Hannibal and St. Joseph R. R. Co	do	
6	J. E. Turton	Instrument shelters	1, 560
	do	Wooden tables	261
10	Geo. E. Hunt	Office expenses	1
	E. A. Beals	do	1
	Geo. B. Wurtz	do	1 1 1
	Union Typewriter and Supplies Co	Repairs to caligraph	10
	D. Ballauf	Supplies	15
	The Maurice Joyce Engraving Co	Electrotype plates	31
	J. Baumgarten & Sons	Rubber stamps	3
	Adams Express Co	Transportation	1
	P MoI anghlip	Office ropt	15 150 126 120
	Guaranty Building Co	do	126
	E H Jamison	do	120
	E. S. Hughes & Co	do	106
	Balfe D. Johnson	do	106 45
	Portland Trust Co. of Oregon	do	210
	Estate of R. S. Dodson.	do	210 131
	Homer W. Styron	do	38
	F. E. Warren Mercantile Co	do	91
	Fred Arnold	do	75
	Benj. M. Jacobs	do	75 15 87
	Isaac Bloch	do	87
	Maggie Franch	do	450
	Poter Polden agent	do	450 74 83
	Formons' Ponk of Process	00	8a 60
	Togeth Cussenboyen	do	120
	Jos A Smith	do	90
	Indiananolis Gas Co	do	250
	Tyree & Watkins, agents	do	67
	C. M. Boucher	do	42
	Pacific Club.	do	76
	F. M. Brown & Co	do	100
	Walla Walla Lodge No. 56, I. O. O. F.	do	84
	Henry Landes	do	45
	Jos. Swift & Wm. H. Swift	do	75 25 69
	Richmond, Fredericksburg and Potomac R.R. Co. Narragansett Pier R. R. Co. Wabash R. R. Co. Oregon Railway and Navigation Co. Vandalia Line. Hannibal and St. Joseph R. R. Co. J. E. Turtondo. Geo. E. Hunt E. A. Beals Geo. B. Wurtz. Union Typewriter and Supplies Co. D. Ballauf The Maurice Joyce Engraving Co. J. Baumgarten & Sons. Jas. B. Lambie Adams Express Co. R. McLaughlin Guaranty Building Co E. H. Jamison E. S. Hughes & Co. Balfe D. Johnson Portland Trust Co. of Oregon Estate of R. S. Dodson. Homer W. Styron F. E. Warren Mercantile Co. Fred Arnold Benj. M. Jacobs Isaae Bloch Chicago Auditorium Association Maggie French Peter Belden, agent. Farmers' Bank of Fresno Joseph Gussenboven Jos. A. Smith Indianapolis Gas Co Tyree & Watkins, agents C. M. Boucher. Pacific Club F. M. Brown & Co. Walla Walla Lodge No. 56, I. O. O. F. Henry Landes Jos. Swift & Wm. H. Swift Merrill, Bliss & Co. Charlotte Gardner & P. A. Johnson Asher Marks, administrator F. B. Jack Ella W. Daniels Treasurer Humboldt County, Nev The Society for Savings Isaae Eberly	do	25
	Charlotte Gardner & P. A. Johnson	do	69
	Asher Marks, administrator	do	77
	F. B. Jack	do	75
	Ella W. Daniels	do	75 75 67
	Treasurer Humboldt County, Nev	do	67
	The Society for Savings	do	285
			154

146 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898.			
n. 10	C. M. Beeson	Office rent	\$97.
	T. M. Jeffries & Co	do	81.
	C. M. Beeson T. M. Jeffries & Co Bance & Liams J. H. Hunt, jr., agent	do	90. 87.
	J. H. Hunt, Jr., agent A. J. Knight T. B. Catron Real Estate and Law Building Co B. S. Williams Bank and Insurance Building Co H. D. & F. H. Irish Margaret Parmentier Albert Martia	do	87.
	T. R. Cotron	do	79.
	Real Estate and Law Building Co	do	105. 34. 55. 90.
	B. S. Williams	do	55
	Bank and Insurance Building Co	do	90.
	H. D. & F. H. Irish	do	59.
	Margaret Parmentier	do	75.
	Albert Martiz	do	165.
	National Bank of Commerce	do	92.
	P. H. Swearingen	do	48.
	Wm. Chandler	do	84. 87.
11	Edgar Harding	(10	87.
11	Margaret Parmentier Albert Martiz Albert Martiz National Bank of Commerce P. H. Swearingen Wm. Chandler Edgar Harding Cone & Kimball Co. Luke & Smith Catherine Wilson D. Horton W. W. Neifert H. B. Hersey J. P. Bolton David Cuthbertson	do	99.
	Catherine Wilson	do	52. 140.
	D Horton	do	90.
	W. W. Neifert	Office expenses	90. 3.
	H. B. Hersey	do	4.
	J. P. Bolton	do	8.
	David Cuthbertson	do	1.
	P. Connor J. W. Byrum H. C. Frankenfield.	do	7.
	J. W. Byrum	do	7. 1. 3.
	H. C. Frankenfield.	do	3.
	Geo. B. Wurtz. J. B. Sloan J. S. Hazen H. T. McGowen	do	1.
	J. B. Sloan	Traveling expenses	21.
	J. S. Hazen	do	20.
	H. T. McGowen Hoke Engraving Plate Codo do The Cowell & Hubbard Co	do	12.
	Hoke Engraving Plate Co	Services	37. 20. 13.
	do	Services and suppliesdo	20,
	The Cowell & Hubbard Co	Repairing barograph clock	1.
			4.
	J W Branan	Servicesdo	15
	July Branan Barnhart Bros. & Spindler do American Type Founders Co. do do	Poman tuno	8.
	do	do Supplies Gauge pins Type Brass rule	1.
	American Type Founders Co	Supplies	72.
	do	Gauge pins	- 4.
	do	Type	4.
	do	Brass rule	2.
	do Brown & Sharp Manufacturing Co. Julian P. Frjez do	Supplies	7. 115
	Junan P. Friez	00	12
	Hawill's TransforCo	Drayaga	
	Pay roll New Haven Conn	Substation calaries	$\frac{1}{48}$
	Pay roll Cleveland Obio	do	61.
	Pay roll, Chicago, Ill	do	897
19	E. P. Nimmo.	Office expenses	3
	do Harrill's Transfer Co. Pay roll. New Haven, Conn. Pay roll, Cleveland, Ohio Pay roll, Chicago, Ill E. P. Nimmo. J. P. Slanghter Geo, B. Ackerman F. K. Beachan L. M. Pindell T. B. Jennings D. P. McCallum F. H. Clarke Geo, A. Loveland	do	2
	Geo. B. Ackerman	do	2
	F. K. Beachan	do	2
	L. M. Pindell	do	3
	T. B. Jennings.		3
	F H Clarks	do	3
	F. H. Clarke Geo. A. Loveland Frank Ridgway R. L. Anderson C. S. von Herrmann E. R. Demain F. P. Chaffee U. G. Purssell J. M. Sherier G. N. Salisbury C. F. R. Wappenhaus S. W. Glenn P. H. Smyth E. B. Dunn M. B. De Vane	do	13
	Frank Ridoway	do	1
	B. L. Anderson	do	3
	C. S. von Herrmann	do	1
	E. R. Demain	do	3
	F. P. Chaffee	do	
	U.G. Purssell	do	1.
	J. M. Sherier	do	7. 1.
	G. N. Salisbury	do	, 1.
	C. F. K. Wappennaus	do	2.
	P H Smyth	do	3.
	E R Dunu	do	10.
	M. R. De Vane	do	10.
	Chas. E. Pauley	Traveling expenses	7 101
	Geo. S. Waite	Office rent	101
	Fanny L. Keating	do	90
	E. B. Duffin M. B. De Vane Chas, E. Pauley Geo. S. Waite Fanny L. Keating G. H. Miller, guardian The Amarillo Improvement Co Tacoma Chamber of Commerce and Board of Trade	do	.210
	The Amarillo Improvement Co	do	50.
	Togoma Chambon of Commores and Roard of	do	60

Date.	Name.	Nature of payment.	Total.
1898.	Barnard Brown L. Mirelaz Kate F. Coke Penn Mutual Life Insurance Co. Chamber of Commerce Building Co. Central Investment Co First National Bank of Moorhead Lorenzo Littlefield Paine Bros Northwestern Mutual Life Insurance Co. A. P. Eagleston Colley & Wright M. E. Conway Jno. L. and Wm. L. McCagne H. Overhalser Union Trust Building Co., Ltd. Continental National Bank Southern Bell Telephone and Telegraph Co. do The Empire State Telephone and Telegraph Co. The Telephone Co. of Missenzi	CARC 1	*****
Jan. 19	Barnard Brown	Office rent	\$105.00
	Kata F Coka	do	60.00 60.00
	Penn Mutual Life Insurance Co	do	81, 25
	Chamber of Commerce Building Co	do	75. 21
	Central Investment Co	do	163. 75
	First National Bank of Moorhead	do	66.31 64.99
	Paine Bros	do	73. 95
	Northwestern Matual Life Insurance Co	do	75. 00
	A. P. Eagleston	do	65, 00
	Colley & Wright	do	78. 50
	M. E. Conway	do	37.74
	H Overhelser	do	125, 00 127, 50 137, 50
	Union Trust Building Co., Ltd.	do	137. 50
	Continental National Bank	do	150, 00
20	Southern Bell Telephone and Telegraph Co.	Telephone rent	5.00
	The Environment Telephone and Telegraph		15. 00 25. 00
	Co.		25.00
	The Bell Telephone Co. of Missonri	do	16.25
	Co. The Bell Telephone Co. of Missonri. La Crosse Telephone Co. Wisconsin Telephone Co. Jowa Telephone Co. do. Sunset Telephone and Telegraph Co. East Tennessee Telephone Co. People's Telephone and Telegraph Co. Canyon City Telephone Co. Missouri and Kansas Telephone Co. Southern States Telephone Co. Southern Bell Telephone and Telegraph Co. Delaware and Atlantic Telephone and Telegraph Co.	do	7. 50 3. 75
	Wisconsin Telephone Co	do	3. 75
	10wa Telephone Co	(10	34. 50
	Sunset Telephone and Telegraph Co	do	2.50 15.00
	East Tennessee Telephone Co.	do	9.00
	People's Telephone and Telegraph Co	do	7.50
	Canyon City Telephone Co	do	6.00
	Missouri and Kansas Telephone Co	do	18. 00 7. 50
	Southern States Telephone Co	do	7. 50
	Delaware and Atlantic Telephone and Tele-	do	12.00
	graph Co.		
	Southern Bell Telephone and Telegraph Co. Missouri and Kansas Telephone Co. The Sonthwestern Telephone and Telegraph	do	8. 25
	Missouri and Kansas Telephone Co	do	18. 00
			9. 00
	Co	do	15.00
	do	do	6.00
	Iowa Telephone Co	do	6. 00
	Michigan Telephone Co		6. 00 15. 00
	The City and Suburban Telegraph Associa-	do	25. 00
	tion.		20.00
	The Control District and Drinting Tele	do	34. 25
	graph Co.	m 1 1 1	w 0.0
	The Pell Telephone Co. of Puffele	Telegraph services	5. 20
	graph Co. Garolina Midland Rwy. Co. The Bell Telephone Co. of Buffalo Chicago, Burlington and Northern R. R. Co. Philadelphia, Reading and Pottsville Telegraph Co.	do	4. 40 2. 97
	Philadelphia, Reading and Pottsville Tele-	do	8, 05
	graph Co.		
	Fort Worth and Denver City Rwy. Co	do	11.00
	graph Co. Fort Worth and Denver City Rwy. Co. Louisville and Nashville R. R. Co. Chicago and Northwestern Rwy. Co. People's Line Steamers. Michigan Central Rwy. Co. Duluth, South Shore and Atlantic Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	18. 00 12. 50
	People's Line Steamers	do	12. 50
	Michigan Central Rwy. Co	do	21. 80
	Duluth, South Shore and Atlantic Rwy. Co	do	20. 77 13. 68
	Cleveland, Cincinnati, Chicago and St. Louis	do	13, 68
	Rwy. Co.	Electric current	0.00
	W. S. Pickrell	do	9. 00 5. 10
	H. L. Pittoek	do	18. 00
	City Gas Co. of Norfolk	do	4.50
	Rwy. Co. Guaranty Building Co W. S. Pickrell H. L. Pittock City Gas Co. of Norfolk Corpus Christi Electric Co Little Rock Edison Electric Light and Power Co.	do	6. 00
	er Co.	do	28. 02
	Sandusky Electric Light Co	do	5, 50
	Indianapolis Light and Power Co	do	18.00
	Ludington Electric Light and Power Co	do	2, 50 5, 00
	Consumers' Electric Light and Street Rwy.Co.	do	5. 00
	M. W. Morrow, postmaster	Post-office box	2.00
	H. Dunwoody Furniture Co	Ruos	5. 60 10. 00
	er Co. Sandusky Electric Light Co Indianapolis Light and Power Co Ludington Electric Light and Power Co Consumers Electric Light and Street Rwy.Co. M. W. Morrow, postmaster People's Gas Light and Coke Co H. Dunwoody Furniture Co C. C. Rafee Arthur Sims W. T. Irvine	Repairs to clock	1. 50
	Arthur Simo	do	.75
	Zerthur Sims		1.50

Date.	Name.	Nature of payment.	Total.
1898.			
Jan. 20	A. W. Larimore T. H. Brown Co D. C. Cross P. C. Shaw Anna Faris Knight & Rosenkrans S. S. Kelley J. J. S. Millspaugh C. C. Randolph Columbia Printing Co L. Rogers do E. T. D. Myers, jr. Robyn & Bahlken Adressograph Co do	Repairs to typewriter	\$8.00
	T. H. Brown Co	Repairs to handcart	2. 25
	D. C. Cross	Laundry service	2. 25 1. 50 6. 00
	Anna Faris	do	5. 25
	Knight & Rosenkrans	do	1.50
	S. S. Kelley	do	3.00
	J. J. S. Millspaugh	Deinting monthly	1.30 42.00
	Columbia Printing Co	Printing weekly bulleting	42.00 19.50
	L. Rogers	Hire horse and cart	30.00
	do	Service	15. 00 10. 00
	E. T. D. Myers, jr	do	10.00
	Adressograph Co	Service and material	40.00
	Auressograph Co	Supplies for printing office	13. 31 50
	Bryant & Douglas Book and Stationery Co.	Supplies	. 50 4. 95
	R. H. Wolff & Co., limited.	do	283. 00
	Pay roll, Narragansett Pier, R. I.	Substation salaries	90.00
21	Ella Reahan	Services expenses	3. 25 9. 00
21	Wm, A. Johnson	do	30, 00
	Jno. S. Barney	do	22, 35
	Jno. A. Townsend.	do	24.84
	Ed. Kendall	do	24. 84
	Zetta Higgins	do	24.84 20.00
	Louis Prior	do	9.00
	Alkie M. Adie	do	9. 00 19. 50 9. 00
	Kate Collins	do	9.00
1.	Mary C. Ward	do	5, 00
	Danl. Duffey	do	25. 00 12. 42
	L. Rogersdo E. T. D. Myers, jr Robyn & Bahlken Adressograph Codo Bryant & Douglas Book and Stationery Co. R. H. Wolff & Co., limited Pay roll, Narragansett Pier, R. I. Ed. A. Evans. Ella Beahan Wm. A. Johnson Jno. S. Barney. Jno. A. Townsend Ed. Kendall H. L. Holden Zetta Higgins Louis Prior Alkie M. Adie Kate Collins Mary C. Ward Frank T. Budge. Danl. Duffey T. C. Hamilton Chas, A. Blummer The Bell Telephone Co. of Buffalo The International Telephone and Telegraph Co. Chicago Telephone Co.	do	12. 42
	Chas. A. Blummer	do	15.00
	The Bell Telephone Co. of Buffalo	Telephone rent	12.50 18.00
	The Bell Telephone Co. of Buffalo The International Telephone and Telegraph Co. Chicago Telephone Co. Sunset Telephone Co. Sunset Telephone and Telegraph Co Pennsylvania Telephone and Telegraph Co Southern Bell Telephone and Telegraph Co The Bell Telephone Co. of Philadelphia Sunset Telephone and Telegraph Co L. Naegele & Sons The Cleveland Telephone Co. Southern Bell Telephone and Telegraph Co Michigan Telephone and Telegraph Co Columbia Telephone Co. Oregon Telephone and Telegraph Co. Columbia Telephone Co. Pay roll, Nashville, Tenn Pay roll, Montgomery, Ala Pay roll, Montgomery, Ala Pay roll, Ettle Rock, Ark Pay roll, Chattanooga, Tenn Pay roll, Boston, Mass. Pay roll, Jacksonville, Fla Pay roll, Charleston, S. C Pay roll, Augusta, Ga Pay roll, New York, N Y Pay roll, New York, N Y Pay roll, New York, N Y Pay roll, Norfolk, Va Pay roll, Harrisburg, Pa Pay roll, Harrisburg, Pa Pay roll, Baltimore, Md Gaudalupe Quiroz Eliza C. Crocker J. L. Patrick F. L. Ziegler Chas, A. Hayman Rafael Martines Inuquera, deceased Wm. Searle W. T. Turberville Louisa Johnson L. J. Gifford	do	18. 00
	Chicago Telephone Co	do	31. 25
	Sunset Telephone and Telegraph Co	do	6.00
	Pennsylvania Telephone Co	do	21.00
	Southern New England Telephone Co.	do	3.00
	The Bell Telephone Co. of Philadelphia	do	3. 00 31. 25 30. 00
	Sunset Telephone and Telegraph Co	do	6.00
	L. Naegele & Sons	do	6. 00 25. 00
	The Cleveland Telephone Co	do	18.00 10.00
	Michigan Telephone Co.	do	8, 50
	Oregon Telephone and Telegraph Co.	do	8. 50 22. 50
	Columbia Telephone Co	do	10.50
	Pay roll, Nashville, Tenn.	Substation salaries	58. 90
	Pay roll Little Rock Ark	do	143. 50
	Pay roll, Portland, Oreg	do	39. 00 55. 00 140. 00 530. 25
	Pay roll, Chattanooga, Tenn	do	140.00
	Pay roll, Boston, Mass.	do	530. 25
90	Pay roll, Jacksonville, Fla	do	65.00
22	Pay roll Augusta Ga	do	18. 00 49. 60
	Pay roll, Pensacola, Fla	do	36.00
	Pay roll, Woods Hole, Mass	do	60.00
	Pay roll, New York, N. Y.	do	55. 00 90. 00
	Pay roll Poytland Orog	do	90. 00 30. 00
	Pay roll, Harrisburg, Pa	do	42. 00
	Pay roll, Wilmington, N. C-	do	72. 00 45. 00 6. 00
	Pay roll, Baltimore, Md	do	45. 00
	Gaudalupe Quiroz	Services	6, 00
	J. L. Patrick	do	30. 00 45. 00 30. 00 7. 50
	F. L. Ziegler	do	30, 00
	Chas. A. Hayman	do	7. 50
	Rafael Martines Inuquera, deceased	do	130. 50
	Wm. Searle	do	3.00 15.00
	Louisa Johnson	do	9.00
	E. J. Gifford	do	42.00

	Name.	Nature of payment.	Total
898.	Pastor de la Tone Aaron Sargent Jas. Evans Michigan Telephone Co. Cairo Telephone Co. Cairo Telephone El Telephone and Telegraph Co. do. do. Cumberland Telephone and Telegraph Co. Northwestern Telephone Exchange Co. do. Northwestern Telephone Exchange Co. Northwestern Telephone Co. New York and Pennsylvania Telephone and Telegraph Co.		
n. 22	Pastor de la Tone	Services	\$9.
	Aaron Sargent	do	12.
0.4	Jas. Evans	Tolombono pont	9.
24	Cairo Telephone Co	do de rent	63. 5.
	Southern Bell Telephone and Telegraph Co.	do	5.
	do	do	20.
	do	do	13.
	do	do	15.
	Cumberland Telephone and Telegraph Co	do	23.
	Nebraska Telephone Co	do	15
	Northwestern Telephone Exchange Co	do	9 18
	Hudson River Tolonhone Co	do	15
1	New York and Pennsylvania Telephone and	do	21
	Telegraph Co.		
	Wisconsin Telephone Co	do	15
	Ohio Valley Telephone Co	do	15 18
1	Citizens' Cooperative Telephone Association.	do	10
	Santa Fe Electric Telephone Co	do	6
	Black Hill Telephone and Telegraph Co	Molecular and a service	21
	Wollyn Jaland and Sandralm Cable Cale	delegraph service	21 6
	Telegraph Co. Wisconsin Telephone Co Ohio Valley Telephone Co Citizens' Cooperative Telephone Association. Santa Fe Electric Telephone Co. Black Hill Telephone and Telegraph Co The Miami Telephone Co. Kellys Island and Sandusky Cable Telegraph Co.		б
	graph Co. Oregon Central and Eastern R. R. Co. Smithfield Telephone Co. New England Telephone and Telegraph Co. East Tennessee Telephone Co. Hoke Engraving Plate Co. Barnhart Bros. & Spindler. American Type Founders Co. Jno. Rose & Co. A. B. Diek & Co. The Friedenwald Co. Jno. Chantillour & Sons. The J. F. W. Dorman Co.	do	1
	Smithfield Telephone Co	do	, 4
	New England Telephone and Telegraph Co	do	. 4
1	East Tennessee Telephone Co	do	15
1	Iowa Telephone Co	do	7
1	Hoke Engraving Plate Co	Supplies and services	58 12
Į.	American Type Foundam Co	Type	30.
1	Ing Page & Co	Stove nine	30.
1	A B Dick & Co	Paner	6
	The Friedenwald Co	do	29
	Jno. Chantillour & Sons	Wire springs	6 29 3
1	The J. F. W. Dorman Co	Logotypes	5
1	Hoke Engraving Plate Co	Recoating plates	75.
1	Barnhart Bros. & Spindler	Services and supplies	6.
1	American Toilet Supply Co	Towel supply	3.
	H N Comphell	do	1.
	F W Schoppenhorst	do	6.
	J. F. Beck	do	3.
- 3	Silver State Towel Supply Co	do	2.
	F. G. Blaisdell	Water	9.
1	McEwen & Lanver	Wood	9. 15.
1	Cumberland Electric Light and Power Co	Electric current	15.
	Citizone' Conorol Floatrio Light Co	do	15.
	Lincoln Traction Co	ob	22 13.
	Jno. Chantillour & Sons. The J. F. W. Dorman Co. Hoke Engraving Plate Co. Barnhart Bros. & Spindler. American Toilet Supply Co. Nashville Laundry Co. H. N. Campbell. F. W. Schoppenhorst. J. F. Beck. Silver State Towel Supply Co. F. G. Blaisdell MeEwen & Lanver Cumberland Electric Light and Power Co. Brush Electric Co. of Baltimore Citizens' General Electric Light Co. Lincoln Traction Co. Charleston Edison Electric Light and Power Co.	do	19.
	Power Co.		
	Mobile Light and R. R. Co	do	2.
	Jno. J. Philbrick	do	1.
	W. H. Brown	Drayage	2.
	A Noloop		4.
	Pulaski Gaslight Co	Goo	6.
	Consolidated Gaslight Co	do	10. 20.
-	Milwaukee Gaslight Co	do	14.
i	Buffalo Gaslight Co	do	14. 7.
	Nashville Gaslight Co.	do	8.
	C. S. Clarke, postmaster	Post-office box	1.
25	Factor & Pupp	Clandboond	1.
20	T Roumgarton & Sons	Rubber stamps	51. 12.
1	do	do	12.
	Jas. B. Lambie	Supplies	1. 3. 1.
	Maurice Joyce Engraving Co	Photo-engraving plates	1.
	F. B. May & Co	Supplies	2.
	M. G. Copeland & Co	Flags	50.
	Union Typewriters and Supplies Co	Indelible copying pad	4.
	Charleston Edison Electric Light and Power Co. Mobile Light and R. R. Co. Jno. J. Philbrick W. H. Brown. Fulton Transfer Co A. Nelson Pulaski Gaslight Co Consolidated Gaslight Co Milwaukee Gaslight Co Buffalo Gaslight Co C. S. Clarke, postmaster Thos. P. Gable, postmaster Easton & Rupp J. Baumgarten & Sons Jas. Joseph Gaslight Co Jas. B. Lambie Manrice Joyce Engraving Co F. B. May & Co M. G. Copeland & Co Union Typewriters and Supplies Co Chas. Carter. Postal Telegraph Cable Co Pay roll, New Orleans, La Joseph Joseph Cairo, Ill	Cleaning Weather Bureau map	2.
	Tostar Telegraph Cable Co	Leiegraph service	244. 60. 126.
31			

 $Expenditures\ of\ Department\ of\ A griculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
1898.			
an. 31	Barnhart Bros. & Spindler American Type Founders Co Minnesota International Electric Co Raleigh Gas Co O. J. Glenn	Supplies	\$50
	American Type Founders Co	Type	12 15
	Poloigh Cas Co	Type Electric current Gas	10
	O. J. Glenn	Dravaga	11 4
	E. A. Buder	Drayage Repairing barometer clock Repairing instrument shelters Services	1
	E. A. Buder A. S. Cremer	Repairing instrument shelters	6
		Services	12
	Richard Titus L. R. Christhilf Hoke Engraving Plate Co. H. F. Miley. E. B. Wentzell C. F. Jones Jas. R. Hobbs A. A. Day Beverly Hudnall	do Recoating brass plates Services do	15
	Hoke Engraving Plate Co	Recoating brass plates	37
	H. F. Miley	Services	9 15
	C. F. Jones	Renairing telegraph line	5
	Jas. R. Hobbs	Repairing telegraph line Hire horse	1
	A. A. Day	Hire team	
	Beverly Hudnall	Cleaning map	2
	J. E. Entwistle	Cleaning map Engraving for printing office Passenger transportation	5
	Pennsylvania Co	Passenger transportation	11
	Southern Rwy. Co	do	30
	A. Jay Beverly Hudnall J. E. Entwistle Pennsylvania Co Southern Rwy. Co Nebraska Telegraph Co	Telephone services	57 15
	Central District and Printing Telegraph Co.	do	. (
	Pennsylvania Co Southern Rwy. Co Nebraska Telegraph Co. R. L. Lewis. Central District and Printing Telegraph Co Raleigh Telephone Exchange Sunset Telephone and Telegraph Co. Northwestern Telephone Exchange. New York and Pennsylvania Telephone and Telegraph Co. Chesapeake and Potomac Telephone Co.	do	10
	Sunset Telephone and Telegraph Co	do	18
	Northwestern Telephone Exchange	do	18
	New York and Pennsylvania Telephone	do	9
	and Telegraph Co.	· a.	96
	Chesapeake and Potomac Telephone Co	Salaries	2, 432
	Jno. P. Church et al W. F. R. Phillips et al H. D. Dunwoody Furniture Co		172
eb. 1	H. D. Dunwoody Furniture Co	do Laying carpet Repairing furniture Washing towels Hire team Services Printing supplies Hire horse	172
	Hockenyos Bros	Repairing furniture	ę
	Dressing Cabinet Supply Co	Washing towels	2
	Hockenyos Bros Dressing Cabinet Supply Co. W. H. Renear Frank Golart, jr. T. H. Carland Wm. Watt E. D. Beattie	Hire team	10
	Frank Golart, Jr	Services	1
	Wm Watt	Finding supplies	1
	Wm Watt E. D. Beattie Detroit Electric Wireing and Repair Co Wyckoff, Seamans & Benedict Mich'l Goegin J. H. Hughs E. J. Collins J. F. Thompkins Wyckoff Seamans & Benedict Peleg Brown American Type Founders Co Edwards & Broughton Nohsey & Schwab Consumers' Ice Co S. P. Cowan & Co Johnson & Johnson	Services	30
	Detroit Electric Wireing and Repair Co	Repair of electric motor	É
	Wyckoff, Seamans & Benedict	Repair of typewriter	2
	Mich'l Goggin	Repair of electric motor Repair of typewriter Repair of office furniture Repair of river gaugedo Services Repairs to typewriters Hire team Casting rollers, etc	18
	J. H. Hughs	Repair of river gauge	1 8
	L. J. Collins	Sarriage	12
	Wyckoff Seamans & Benedict	Repairs to typewriters	15
	Peleg Brown	Hire team	15
	American Type Founders Co	Casting rollers, etc	•
	Edwards & Broughton	Recasting rollers, etc	
	Nohsey & Schwab	Repairing rain gauge	2
	Consumers' Ice Co	December 2	6
	Johnson & Johnson	Cool and wood	Ś
	Atlantic City Gas and Water Co	Casting rollers, etc Repairing rollers, etc Repairing rain gauge Lee Drayage Coal and wood Gas Electric current	i
	Raleigh Electric Co	Electric current	4
	Alpena Electric Light Co	do	(
	East Tennessee Telephone Co	Telephone service	10
	Michigan Telephone Co	do,:	2
	Alpana Mutual Talaphana Co	do	
	Southern Bell Telephone and Telegraph Co	do	1
	do	do	10
	New York Telephone Co	do	60
	S. P. Cowan & Co. Johnson & Johnson . Atlantic City Gas and Water Co. Raleigh Electric Co. Alpena Electric Light Co. East Tennessee Telephone Co. Michigan Telephone Cod	do	
	Bellaire, Zanesville and Cincinnati Rwy. Co.	Telegraph service	
	Wyoming Midland Tolograph Co	do	6
	Gather & Drebert	Supplies	:
	C. C. Newman & Co.	do	,
	Albert J. Schoeltlin	Benzine	1
	Galveston Cotton Exchange	Office rent	120
	H. H. Taylor, agent.	do	300
	H. Bolton	do	52
	First National Bank	do	126 100
	E C Vose	Office expenses	100
	J. B. Marbury	do	15
	7 7 77 77		-

te.	Name.	Nature of payment.	Total.
98.	J. H. Bickford. Geo. M. Thielen. Pay roll, Omaha, Nebr. Pay roll, Omaha, Nebr. Pay roll, Charleston, S. C. Pay roll, Savannah, Ga Pay roll, Savannah, Ga Pay roll, Susunsah, Ga Pay roll, Nicksburg, Miss. Pay roll, Davenport, Iowa Pay roll, Chicago, Ill. T. M. Stewart Fredk. Springmann Wild & Stevens. F. A. Bell. Mills Building Brush Electric Light and Power Co. do Light and Power Commission. Hartman General Electric Light Co. Excelsior Electric Light Co. Merchants and Mannfacturers' Electric Light and Power Co. Milwankee Electric Railway and Light Co. United Gas Improvement Co. Galveston Gas Co. Bekins Van Line Neil Ferguson W. H. H. Smith The Pacific Transfer Co. A. A. Bolles Thayer & Jackson Stationery Co. C. L. Sherwood Union Ice Co. R. P. Clarke		
1	J. H. Bickford	Services	\$15.
	Geo. M. Thielen	do	15.
	Pay roll, Omaha, Nebr	Substation, salaries	30.
	Pay roll, Atlanta, Ga	do	126.
	Pay roll, Charleston, S. C	do	64. 66.
	Pay roll, Savannah, Ga	do	66.
	Pay roll, Augusta, Ga	do	45.
	Pay roll, Vicksburg, Miss	do	174. 93.
	Pay roll, Davenport, Iowa	do	24.
	T M Stowert	Cleaning compets	5.
2	Fredly Springmonn	Transportation	13.
4	Wild & Stayone	Reaseting rollers	19
*	F A Rell	Cool	3 15
	Mills Building	Power and fuel	22
	Brush Electric Light and Power Co	Electric current	15 13 13
	do	do	13
	Light and Power Commission.	do	13
	Hartman General Electric Light Co	do	4
	Excelsior Electric Light Co	do	1
	Merchants and Manufacturers' Electric	do	5
	Light and Power Co.		
	Milwaukee Electric Railway and Light Co	do	11
	United Gas Improvement Co	Gas	11
	Galveston Gas Co	do	18
	Neil Formuser	Drayage	, 2
	W U U Smith	do	1
	The Pecific Transfer Co	do	10
	A A Rolles	do	7
	Thaver & Jackson Stationery Co	Paner	7 2
	C. L. Sherwood	Store	16
	Union Ice Co.	Ice	3
	R. P. Clarke	Cotton batting	3
	Chamberlain & Taylor	Mucilage, etc.	3
	American Type Founders Co	Ink for printing office	6
	Jno. Campbell & Co	Supplies for printing office	4
	Julian P. Friez	Supplies	582
	C. L. Sherwood Union Ice Co. R. P. Clarke Chamberlain & Taylor American Type Founders Co. Jno. Campbell & Co Julian P. Friez do. Harper & Pennington M. B. Boon. Dora Mayen Jno. H. Frazier T. Kucher	Mucilage, etc	15
	Harper & Pennington	Towel service	3
	M. B. Boon.	do Washing flags Repairing flagstaff Repairing clock Services Hire team Services	3
	Dora Mayen	Washing flags	6
	Jno. H. Frazier	Repairing flagstaff	25
	T. Kucher	Repairing clock	3
	Sandy Brown W. H. H. Smith G. W. Readey W. C. Newton & Co.	Services	5
	C W Randay	Complete	9
	W C Newton & Co	do	3 33
	Howard Shriver	do	. 9
	E. F. Weihe	do	18
	Kate E. Reynolds	do	15
	Central Union Telephone Co	Telephone service	15 39
	W. T. Smith	do	16
	Southwestern Telegraph and Telephone Co.	do	12
	Pacific Telephone and Telegraph Co	do	. 3
	Missouri and Kansas Telephone Co	do	9
	North Proglam (Colombia	do	15
	Citizens Telephone and Telegraph Co.	do	12
	North American Telegraph Co	To leave the compile	6
	do	telegraph services	6 13 15
	Little Northern Telegraph Co	do	15 24
	Iowa Telephone Co.	Telephone service	24
	W. C. Newton & Co. Howard Shriver E. F. Weihe Kate E. Reynolds Central Union Telephone Co W. T. Smith Southwestern Telegraph and Telephone Co- Pacific Telephone and Telegraph Co. Missouri and Kansas Telephone Co. Duluth Telephone Co. New England Telephone and Telegraph Co. Citizens Telephone Co. North American Telegraph Co. do. Little Northern Telegraph Co. Little Northern Telegraph Co. Alabama, Mississippi and Zennessee Telephone Co.	do	7
	Alabama and Georgia Long Distance Tele-	do	9
	phone Co. The Johnson and Pich Square Telephone Co.	do	0.5
	Cumberland Telephone and Telephone Co.	do	31
	W. H. Helmos	(Polegraph anni-	109
	Southern Bell Telephone and Telegraph Co	relegraph service	6
	Pittshore and Moneura Telegraph Line	do do	8
	phone Co. The Johnson and Rich Square Telephone Co. Cumberland Telephone and Telegraph Co. W. H. Holmes. Southern Bell Telephone and Telegraph Co. Pittsboro and Moncure Telegraph Line. J. A. Fox. South Carolina and Georgia R. R. Co. Baltimore and Ohio R. R. Co. United States Express Co.	do	6
	South Carolina and Georgia R. R. Co	Passenger transportation	4.
	Baltimore and Ohio R. R. Co	do	94
	do	do	24. 11.

Pay roll, Alpena, Mich. Pay roll, Christonati, Ohio W. G. Bennett T. Brown Chase. Repairing office chairs. Repairing office chairs. Repairing typewriter Repairing typewriter Repairing instrument shelter. Salt Lake Towel Supply Co. Towel service do. Churchill, Woolley & McKinzie. Norwich University F. H. Brandenberg Office expenses Office expenses Wm. J. Reed Cyrus Ellenberger do. Co. M. Chappell A Great South Telephone and Telegraph Co. Telefice of the Co. Great South Telephone and Telegraph Co. Jacksonville and St. Johns Bar Telegraph Co. Millbridge & Cherryfield Telegraph Co. Jacksonville and St. Johns Bar Telegraph Co. A Great South Telephone and Telegraph Co. Jacksonville and St. Johns Bar Telegraph Co. Missouri Pacific Rwy. Co. Go. Missouri Pacific Rwy. Co. Missouri Pacific Rwy. Co. A do. Senjamin C. O. Fiek Edward F. Ebinger do. Chespiack and Ohio Rwy. Co. do. Chespiack and St. Louis R. R. Co. in Missouri Pacific Rivy. Co. do. Chespiack Cherrishand St. Louis R. R. Co. in Chicago, Reoria and St. Louis R. R. Co. in Chicago and Alton R. R. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. A Go. Chespiack Co. Carlo board Nals Rwy. Co. Card board Nals Supplies Hoke Engraving Plate Co. Reconting Plates Co. Chicago and Mississippi Valley R. R. Co. Western Union Telegraph Co. Chicago, Burtlington and St. Commerce. Chicago and Mississippi Valley R. R. Co. Western Union Telegraph Co. Chicago Burtlington and Ledgraph Co. Chicago Burtlington and Ledgraph Co. Chicago Burtlington and Led	ate.	Name.	Nature of payment.	Total
Pay roll, Pitsburg, Pa Pay roll, Pitsburg, Pa Pay roll, Alpena, Mich Pay roll, Chiemnati, Ohio Day roll, Chiemnati, Ohio Day search and the s	898			
Pay roll, Pittsburg, Pa		Malachi Corbet	Transportation	\$0
Pay roll, Alpena, Mich		Pay roll, Pittsburg, Pa	Substations, salaries	\$0 330
W. G. Bennett Repairing office miniture J. C. Avery Repairing office L. C. Avery Repairing office Repairing office Repairing typewriter Repairing the Repairing typewriter Repairing the Repairing typewriter Repairing the Repa		Pay roll, Alpena, Mich.	do	62
W. G. Bennett Repairing office miniture J. C. Avery Repairing office L. C. Avery Repairing office Repairing office Repairing typewriter Repairing the Repairing typewriter Repairing the Repairing typewriter Repairing the Repa		Pay roll, Cincinnati, Ohio	do	201
W. G. Bennett Repairing office miniture J. C. Avery Repairing office L. C. Avery Repairing office Repairing office Repairing typewriter Repairing the Repairing typewriter Repairing the Repairing typewriter Repairing the Repa		Pay roll, Portland, Me	do	60
W. G. Bennett Repairing office miniture J. C. Avery Repairing office L. C. Avery Repairing office Repairing office Repairing typewriter Repair	5	Jesse Jackson.	Services	60 6 9
J. C. Avery. Repairing typewriter		W. B. Mundy	Repairing river gauge	9
J. C. Avery. Repairing typewriter		W. G. Bennett	Repairing office furniture	10
J. C. Avery. Repairing typewriter		T. Brown Chase		2
Norwieh University		J. C. Avery.	Repairing typewriter	2. 5
Norwieh University		W. G. Bennett	Repairing instrument shelter	5.
Norwieh University		Salt Lake Towel Supply Co	Towel service	1
Norwieh University		The Only Towel Supply Co	do	. 4
Norwieh University	- 4	New Orleans Gas Light Co	Gas	24
S. Benjamin. C. O. Pick do		Churchill, Woolley & McKinzie	Stove	9
S. Benjamin. C. O. Pick do		Norwich University	Electric light	3
S. Benjamin. C. O. Pick do	1	F. H. Brandenberg	Office expenses	2 3
S. Benjamin. C. O. Pick do	1	Wm. J. Reed	do	3
S. Benjamin. C. O. Pick do		Cyrus Ellenberger	do	1
S. Benjamin		Geo. M. Chappell.	do	1
S. Benjamin. C. O. Pick do		A. F. Sims	Traveling expenses	22
S. Benjamin. C. O. Pick do	1	Pacific Telephone and Telegraph Co	Telephone service	22
S. Benjamin. C. O. Pick do		Vermont Telephone and Telegraph Co	do	9
S. Benjamin. C. O. Pick do		Great South Telephone and Telegraph Co	do	24
S. Benjamin. C. O. Pick do		Duluth, Superior and Western Rwy. Co	Telegraph service	2.
S. Benjamin. C. O. Pick do		Millbridge & Cherryfield Telegraph Co	do	13.
S. Benjamin. C. O. Pick do		Jacksonville and St. Johns Bar Telegraph	(10	6
S. Benjamin. C. O. Pick do		Co.		
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do	- 1	Carolina Midland Rwy. Co	do	5.
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		S. Benjamin.	Transportation	2
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do	- 1	C. O. Pick	do	2.
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Edward F. Ebinger.	do	
Chicago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. W. M. Wilson. J. W. Smith Substations, salaries do Cleveland, Cincinnati, Chicago and St. Louis Mo Substations, salaries do do do do do do do d	- 1	Missouri Pacific Rwy. Co	do	
Chicago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. W. M. Wilson. J. W. Smith Substations, salaries do Cleveland, Cincinnati, Chicago and St. Louis Mo Substations, salaries do do do do do do do d		Vandalia Line	do	1
Chicago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. W. M. Wilson. J. W. Smith Substations, salaries do Cleveland, Cincinnati, Chicago and St. Louis Mo Substations, salaries do do do do do do do d	- 19	Star Union Line	do	. 1.
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Anchor Line	do	1
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Straits Steamship Co	do	9
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Pennsylvania Rwy. Co	do	1
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do			do	2
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do	- 0	d0	00	2
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Chesapeake and Ohio Rwy. Co	do	1
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Daitimore & Onio South Western Kwy. Co	do	41
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		(thisage Despis and Ct Levis D. D. Co. in	do	41
Clineago and Alton R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Office expenses do		Illinois.	do	
Rwy. Co.		Chicago and Alton R. R. Co	do	
Rwy. Co.		Cleveland, Cincinnati, Chicago and St. Louis	do	1
Rudolph, West & Co.		Rwy. Co.	· ·	
Rudolph, West & Co.	8	W. M. Wilson	Office expenses	. 4.
Rudolph, West & Co.		J. W. Smith	do	11.
Rudolph, West & Co.		Pay roll, St. Louis, Mo	Substations, salaries	97
Rudolph, West & Co.		Pay roll, Raleigh, N. C	do	69 299
Rudolph, West & Co.		Jno. C. Parker	Supplies	299
Rudolph, West & Co.		do	do	23.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		do	Card board	19.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Rudolph, West & Co	Nails	9.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Jas. B. Lambie	Supplies	3.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Hugh Reilly	do	1
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		J. C. Ergood & Co	Flour	1
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		J. A. Brands	Kule	1.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		T. S. Outram	Office expenses	3.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Hoke Engraving Plate Co	Recoating plates	50
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co	10	W. C. Paris	Repairs to rain gauge	6
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Dishmand Chamban of Commons	Acpairs to desk.	145
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Steamton Materal Polaritary Commerce	Unice rent	
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Creek Southern Telephone Co	Telegraph services	18.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Chicago Purlington and Telegraph Co.	Telegraph services	7.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Missouri Basife Part C-	Passangen transportation	4.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Wagaa and Mississippi V-U D. D. C.	r assenger transportation	4.
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co		Western Union Telegraph C. R. Co	Tolograph convices	12 210
Puget Sound Telegraph Co do S. P. Johnson Typewriter ribbons System Company Co	10	Posice Postal Telegraph Coble Co	Telegraph services	12, 310, 21,
The Mannier Terror The mannier Co	12	Prince Postal Telegraph Cable Co	do	67.
The Mannier Terror The mannier Co		r uget Soulid Telegraph Co	Typewriter ribbers	2
dodo		The Maurice Joyce Engraving Co	C1200	14
UV		The manifee coyee Engraving Co	do do	14. 2.
E. Morrison Paper Co Rubber bands		E Marriago Papar Co	Rubber bande	8.

Date.	Name.	Nature of payment.	Total.
1898.			
b. 12	Broderick Bros Fredk. Springmann. St. Louis and San Francisco R. R. Codo do Baltimore and Ohio R. R. Co. Empire Line Grand Trunk Rwy. System Detroit, Grand Haven and Milwaukee R. R. Co	Rags	\$14.0
16	Fredk. Springmann	Transportation	111.0
21	St. Louis and San Francisco R. R. Co	do	3.3
	do	do	1. 7
	do	do	3.4
	Baltimore and Ohio R. R. Co	00	2.5
	Crond Trumb Prov. System	do	2.1
	Detroit Grand Haven and Milwaukee R P	do	2. 5
	Co.		2.0
	Detroit, Grand Rapids and Western R. R.	do	3. 5
	Erie Western Transportation Co	do	2.1
	Flint and Pere Marquette R. R. Co	do	.7
	C. H. Mallory	do	1.1
	Erie Western Transportation Co	do	2. 2
	Co.	4.	-
	Parabort Prog & Spindler	Two	.7
	American Type Foundary Co	Type oto	11.6 9.0
	do	Composing stick	1. 1
	do	Type	30.1
	H. S. Crocker Co	Paper	55. 0
	The J. F. W. Dorman	Supplies	1.0
	Geo. Meier & Co.	do	36. 0
	Co. Chicago, Milwaukee and St. Paul Rwy. Co Barnhart Bros. & Spindler American Type Founders Codo. do. H. S. Crocker Co The J. F. W. Dorman Geo. Meier & Co Norton & Grinnell Philadelphia, Reading and Pottsville Telegraph Co.	do	2.3
	Philadelphia, Reading and Pottsville Tele-	Telegraph service	. 8. 7
	graph Co.		
	Duluth, Superior and Western R. R. Co	do	2. 3
	graph Co. Duluth, Superior and Western R. R. Co. Oregon Central and Eastern R. R. Co. Deseret Telegraph Co. Fort Worth and Denver City R. R. Co. Great Northwestern Telegraph Co. of	do	2.6
	Descret Telegraph Co	do	102. 8
	Fort Worth and Denver City R. R. Co	do	11.9
	Canada.	00	182. 7
	Venth American Telegraph Co	do	15.3
	International Ocean Telegraph Co	do	187. 1
	J T Harner	do	14.1
	Chesterfield Telephone and Telegraph Co	do	8.0
	Put-in-Bay Telegraph Co	do	8. 3
	Jno. Clarke	do	4. 4
	Canada. North American Telegraph Co International Ocean Telegraph Co. J. T. Harper Chesterfield Telephone and Telegraph Co. Put-in-Bay Telegraph Co. Jno. Clarke D. D. Booze. Mary J. Porter Vance Printing Co. Jno. J. Veeder. L. Naegele & Sons. Geo. Holmgreen & Sons.	Services	2.0
	Mary J. Porter	do	. 7
	Vance Printing Co	Printing bulletins	61.5
	Jno. J. Veeder	Hire steamer	36.0
	L. Naegele & Sons Geo. Holmgreen & Sons J. H. Boicount & Co J. A. Bockins H. R. Nelson Robinson & Townsley Hoke Engraving Plate Co Southern Bell Telephone and Telegraph Co J. W. Smith A. J. Mitchell J. G. Gardner E. H. Bowie Pay roll, New York, N. Y Columbia Water and Light Co F. J. Houston A. C. Smith Portland Gas Co D. C. Look	Printing bulletins Repairing flagstaff Repairing stove	25. 0
	Geo. Holmgreen & Sons	Repairing flagstaff	6. 6
	J. H. Boicount & Co	Repairing stove	. 7
	J. A. BOCKINS	Services and material	14.6
	Pohingon & Townslor	Repairing caligraph	3. 0 2. 5
	Hoke Engraving Plete Co	Percenting base plates	46.1
	Southern Bell Telephone and Telegraph Co.	Repairing rain gauges Recoating base plates Rent of telephone Office expenses	15. 0
	J. W. Smith	Office expenses.	2. 2
	A. J. Mitchell	do	2. 5
	J. G. Gardner	Traveling expenses	6.8
	E. H. Bowie	Traveling expensesdodo	12. 6
	Pay roll, New York, N. Y	Substation salaries	55.0
	Columbia Water and Light Co	Electric current	. 7 34. 4
	F. J. Houston	Coal	34. 4
	A. C. Smith.	Oil	. 7
	Portland Gas Co	Gas.	13. 1
	D. C. Look Western Union Telegraph Co	Hire of team	2.0
00	western Union Telegraph Co	Telegraph services	12, 416. 5
23 26	Postal Talagraph Cabla Ca	do	11, 617. 8
20	Positic Postal Tolograph Cable Co.	do	105. 7 16. 9
	Puget Sound Telegraph Co	do	77.3
	F. A. Schmidt	Supplies	53. 8
	Western Union Telegraph Codo Postal Telegraph-Cable Co. Pacific Postal Telegraph-Cable Co. Puget Sound Telegraph Co. F. A. Schmidt R. P. Clarke W. B. Moses & Sons	Towels	88. 8
	W. B. Moses & Sons	Desk	24. 9
	W. B. Moses & Sons Royce & Marean Jas B. Lambie.	Supplies	8. 0
	Jas B. Lambie	Suppliesdo	29. 6
	do	Bolts, etc	9. 7
			1.2
	The Maurice Joyce Engraving Codo Mackall Bros. & Flemer.	Suppliesdo	6.2
	do	do	8.7

154 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

WEATHER BUREAU-GENERAL F	EXPENSES—Continued.
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Date.	Name.	· Nature of payment.	Total.
1898.			
Feb. 26	J. C. Ergood & Co	Cumpling	\$39.35
	M. Du Perow. W. C. Newton & Co. Wilmarth & Edmonston. Michl, O'Leary	Varnish	10. 25 4. 80
	Wilmarth & Edmonston	Varnish Drinking glasses Sand	4. 95
	Michl. O'Leary	Sand	2.50
	Geo. F. Muth & Co. J. Baumgarten & Sons	Supplies	69. 53 45. 68
	Chas. Carter J. C. Entwistle	Services	3. 00
	J. C. Entwistle	Servicesdo	5, 00
			5. 50
	Southern Rwy. Co do Jno. P. Church et al. W. F. R. Phillips et al.	- do	27. 50 34. 83
28	Jno. P. Church et al.	Salaries, printing office	2, 295, 76
	W. F. R. Phillips et al	Salaries, printing office	2, 295. 76 155. 40
Mar. 1	Homon T Hont	Wood	1. 25
	The Columbia Rubber Works Co. The Columbia Rubber Works Co. Schneider Bros. Friedenwald Co. The J. F. W. Dorman Co. B. Kahn & Son Chas. Cooper & Co. Grant Rivenburg	Coal	18, 00 63, 00
	The Columbia Rubber Works Co	Coal	3.36
	Schneider Bros	Thermometers	560.00
	Friedenwald Co	Manila wrappers. Logotypes Marine glasses.	920.00
	B. Kahn & Son	Marine glasses	11. 00 18. 75 5. 00
	Chas. Cooper & Co	Ammonia	5.00
	Chais, Cooper & Co Grant Rivenburg J. H. Bunnell. Barnhart Bros. & Spindler American Type Founders' Co. J. F. Tompkins. Edwin R. Smith Jno. Cuddy Mackall Bros. & Flemer Lin C. Paykor	Ice	8.45
	J. H. Bunnell	Supplies Type Supplies	180.00
	American Type Founders' Co	Supplies	4. 68 28. 99
	J. F. Tompkins.	Services	3. 50
	Edwin R. Smith	do	12.00
	Jno. Cuddy	Soap and lye	95. 00 42. 00
	Ino C Parker	Copying brushes	42. 00 8 50
	Jno. C. Parker dodo.	Paper Erasers Flags	8. 50 313. 32
			34. 38
	R. C. M. Burton	Flags	24. 00 226. 00
	J. H. Show	Services	20.00
	a. do	Services Hire horse Stove pipe	6.00
	J. W. Bonney	Stove pipe	1.40
			6.00
	N. E. Ancarrow Hockenyos Bros H. J. Jamieson	Services	37. 00 6. 00
	H. J. Jamieson	Servicesdo	5.00
	M. Lawson	do	5.00
	Frank Richter	do	14. 00 15. 00
	Hoke Engraving Plate Co	Recoating brass plates	63, 10
	Geo. W. Walther & Co	Services, etc	63. 10 9. 73
	Frank Kienter C. E. Whitney. Hoke Engraving Plate Co Geo. W. Walther & Co Western Union Telegraph Co W. E. Rauffenbart Herman Smith	Repairing lantern Services Traveling expenses	2.70
	W. E. Rauffenbart	Repairing lantern	1. 50 2. 50
	L. M. Tarr	Traveling expenses	13. 40
	W. M. Fulton	do	24.90
	L. M. Tarr W. M. Fulton M. J. Wright, jr. W. M. Edmondson D. P. McCallum H. H. Curley H. W. Grasse J. W. Smith W. H. Hammon P. J. Hyest	Office expenses	2.00
	W. M. Edmondson	do	1. 00 2. 10
	H. H. Curley	do	5. 7 5
	H. W. Grasse	do	2.50
	J. W. Smith	do	1.40
	W. H. Hammon	do	4. 80 16. 20
	Jos. P Bolton	do	63. 70
	do	do	19. 00
	W. H. Hammon R. J. Hyatt Jos. P. Boltondo J. C. Hayden Ella W. Daniels A. E. Hackett E. J. Davenport Geo. E. Shaw	do	. 50
	Ella W. Daniels	do	1.30 6.90
	E. J. Davenport	Office rent	75. 00
	Geo. E. Shaw	do	140.00
	Geo. E. Shaw Great North Western Telegraph Co. of	Telegraph services	176.98
	Canada.		177.39
	International Ocean Telegraph Co	Telephone service	10.00
	phone Co.	Totophone service	
	phone Co. New England Telephone and Telegraph Co-	do	2.50
	Michigan Telephone Co	do	$104.12 \\ 2.50$
	Southern Railroad Co	Telegraph service	2. 50 5. 20
	Staunton Mutual Telephone Co	Telephone service	12. 50
	Michigan Telephone Co. Jowa Telephone Co. Southern Railroad Co. Staunton Mutual Telephone Co.	Telegraph service	

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

	1.		
Date.	Name.	Nature of payment.	Total.
1898.			
Iar. 1	United States Express Co	Transportation	\$23. 25
	Adams Express Co	do	28. 35 11. 32
	Oregon Short Line R. R. Co	Passenger transportation	1.50
	United States Express CoAdams Express CodoOregon Short Line R. R. CoCleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.50 17.88
	Wabash R. R. Co	do	13.42
	Rio Grande Western R. R. Co	do	5. 50
	Ilwaco Railway and Navigation Co	do	. 40 2. 83
	International and Great Northern R. R. Co	do	2. 83 3. 44
	Wahash R. R. Co	do	92
2	E. D. Beattie	Printing monthly bulletin	. 92 30. 00
	Rwy. Co. Wabash R. R. Co. Rio Grande Western R. R. Co. Ilwaco Railway and Navigation Co. International and Great Northern R. R. Co. Texas and Pacific Rwy. Co. Wabash R. R. Co. E. D. Beattie W. H. Hendricks. P. W. Tompkins Hoke Engraving Plate Co. American Type Founders Co W. H. Wiendreck Austin Smith W. A. Aldrich.	Cleaning clock	1.00
	P. W. Tompkins	Cleaning caligraph	10.00
	Hoke Engraving Plate Co	Recoating plates	13. 50
	W. H. Wiendreck	Repairs to thermograph clock	5. 74 2. 00
	Austin Smith	Blotting paper	109. 80
	W. A. Aldrich	Gas stove, etc	2, 95
	John W. Graham & Co	Ink and mucilage	4. 50
	A mariaan Type Foundary Co	Envelopes	33. 25 480. 40
	American Type Founders Co	supplies .	11. 20
	do	Brass rule	2. 48 31. 50 216. 78
	Jno. Nawrath	Twine	31. 50
	J. H. Bunnell & Co	Supplies	216. 78
	Western Union Telegraph Co	Service and material	91. 30 5. 00
	Smithfield Telephone Co	Telegraph services	4 80
	Chicago, Burlington and Northern R. R. Co.	do	4. 80 3. 14
	Northern Telegraph Co	do	7.80
	Hoke Engraving Plate Co. American Type Founders Co W. H. Wiendreck Austin Smith. W. A. Aldrich. John W. Graham & Co. Logan, Swift & Brigham Envelope Co. American Type Founders Co. do Jno. Nawrath. J. H. Bunnell & Co. Western Union Telegraph Co. Wm. Milligan Smithfield Telephone Co. Chicago, Burlington and Northern R. R. Co. Novthern Telegraph Co. New York Central and Hudson River R. R. Co. Florida Central and Pennsular R. R. Co. Western New York and Pennsylvania R. W. Co.	Passenger transportation	3. 36
	Florida Central and Penincular R R Co	do	4.02
	Western New York and Pennsylvania	do	6. 25
	Nashville, Chattanooga and St. Louis Rwy.		7.23
	Co. Mahila and Ohia P. P. Co.	do	. 56
	Louisville and Nashville R. R. Co	do	1. 21
	Howard G. Hart	Horse hire	1.50
	S. W. Pettus	Services and material	7.00
	Jno. Englehard	do	3.75
	Dan Stephenson	Renairing clock	15. 00 2. 50
	Edwd. J. Lays.	Services and material	2.50 2.00
	Co. Mobile and Ohio R. R. Co. Louisville and Nashville R. R. Co. Howard G. Hart S. W. Pettus Jno. Englehard Chas. M. Whitlock Dan Stephenson Edwd. J. Lays Philadelphia, Reading and Poitsville Telegraph Company.	Telegraph services	8. 09
	graph Company. Jacksonville and St. Johns Bar Telegraph	1-	
	Line.		6. 50
	North American Telegraph Co	do	12.83
	Oregon Central and Eastern R. R. Co	do	2.50
	International and Great Northern R. R. Co	Transportation	.54
	Line. North American Telegraph Co Oregon Central and Eastern R. R. Co International and Great Northern R. R. Co. Chicago, Burlington & Quincy R. R. Co do. Portland and Rochester R. R. Co. Memphis and Charleston R. R. Co. Louisville and Nashville R. R. Co. Evansville and Terre Haute R. R. Co. Kansas City, St. Joseph and Council Bluffs R. R. Co.	010	3.42
3	Portland and Rochester R R Co	do	13. 35 . 98
	Memphis and Charleston R. R. Co.	do	3. 81
	Louisville and Nashville R. R. Co	do	. 78 8. 12
	Evansville and Terre Haute R. R. Co	do	8.12
	R. R. Co.	do	1. 54
	Vandalia Line	do	. 66
	Star Union Line	do	. 66 2. 23
	do	do	8.66
	Stoomer D. W. Denislaan	do	. 51 1. 30
	S Benjamin	do	1. 30
	Edwd. F. Ebinger	do	. 25 . 23
	F. B. Spear	do	1.64
	Wabash R. R. Co	do	4.48
	Baltimore and Ohio R. P. Co.	do	11. 60 3. 68
	R. R. Co. Vandalia Line Star Union Line do. do Steamer D. W. Danielson. S. Benjamin Edwd. F. Ebinger F. B. Spear Wabash R. R. Co. Baltimore and Ohio South Western Rwy. Baltimore and Ohio R. R. Co. Central Vermont R. R. Co.	do	2, 00
	Central Vermont R. R. Co. St. Louis, Keokuk and North Western R. R.	do	. 63
	Co.		
	Burlington and Missouri River R. R. in Nebraska.	do	4.96

Date.	Name.	Nature of payment.	Total.
1898.			
Mar. 3	Burlington and Missouri River R. R. in Nebraska.	Transportation	\$. 47
4	Geo. M. Chappel Alabama and Vicksburg Rwy. Co. Alpheus Drinkwater The Van Bibber Roller Co	Office expenses	1. 20 10. 61
	Alpheus Drinkwater	Servicesdo	2.50
	W.G. Oldham.	do	4.00 12.00
	W.G. Oldham R.J. Galbraith J. V. Alfriend	do Repairing typewriter Telegraph services	5.00
	Rudolph, West & Co Chas. Stout American Type Founders' Co. The White Corbin Co	Telegraph services	4. 75 10. 10 141. 23
	Rudolph, West & Co	Stove polish	141. 23 3. 00
	American Type Founders' Co.	Stove polish Drayage Supplies Envelopes	2. 62 174. 45
	Julien P. Frieze	Supplies	174. 45 119. 05
	Julien P. Frieze M. G. Copeland & Co H. C. Hansen Louisville and Nashville R. R. Co	Flags Supplies Transportation	257, 25
	Louisville and Nashville R. R. Co	Transportation	1. 30 36. 46
	Southern Rwy. Co.	do	7. 85 10. 12
	Southern Rwy. Co. St. Louis and San Francisco R. R. Co. New York Central and Hudson River R. R. Co.		3. 09
	Pennsylvania R. R. Co. Rome, Watertown and Ogdensburg R. R. Co. Santa Fe, Prescott and Phœnix Rwy. Co. Delaware and Hudson Canal Co. Maine Central R. R. Co. New York Central and Hudson River R. R.	do	1. 26
	Santa Fe, Prescott and Phenix Rwy. Co	do	. 82 5. 10
	Delaware and Hudson Canal Co	do	15. 49 12. 98 1. 35
	New York Central and Hudson River R. R.	do	1. 35
-	Co. Baltimore and Ohio Southwestern Rwy. Co H. J. Conrad. T. A. Slattery & Bros. J. J. Parquette M. Thompson. W. B. Moses & Sonsdo. W. A. Pato.	do	20. 12
	H. J. Conrad	Services and material	1.50 1.00
	J. J. Parquette	do	1.50
5	M. Thompson W. B. Moses & Sons	Carnet	5, 00
	do	Chairs	94, 33 18, 45
	W. A. Pate Rufus P. Clarke	Leather belting	4. 42 20. 70
	M. F. Ruppert Norfolk and Washington Steamboat Co	Supplies	1. 20
7	U. G. Myers	Traveling expenses	3. 84 37. 00
9	Wm. G. Burns	Map frames Service and materials	32. 75 85. 00 22. 50 51. 25
	J. E. Turton W. C. Newton & Co.	Service and materials	22.50
	J. C. Entwistle	Rollers Millinet	5.36
	Royce & Marean Mackall Bros. & Flemer	Zines conners etc	243. 25 5. 40
	do	Gumarabic. Sponges. Turpentine Fly sticks for printing office.	9.45
	do The Washington Woodwork Co. Easton & Rupp Jas. B. Lambie.	Turpentine	19.50 2.50
	Easton & Rupp		66. 68
	Jas. B. Lambiedo	SuppliesZinc for printing office	9. 90 9. 30
11	Harris & Shafer	Zine for printing once. Clocks Milliographs Telegraph service do do	18.00
	Fred A. Schmidt Puget Sound Telegraph Co	Telegraph service	126. 00 76. 40
1	Puget Sound Telegraph Co Pacific Postal Telegraph Cable Co Carolina Midland Rwy. Co Duluth, Superior and Western Rwy. Co	do	28. 26 5. 00
	Duluth, Superior and Western Rwy. Co	do	2. 62 25. 00
	Hoke Engraving Plate Co	do Recoating plates Services and material	25. 00 31. 34
	Wilcox & Wright	do	2, 25
	Conrad Smith	Repairing bookcase	2, 25 2, 00 25, 00
	Duluth, Superior and Western Rwy. Co. Hoke Engraving Plate Co. Wm. H. Virden. Wilcox & Wright Conrad Smith L. Naegele & Sons Hoke Engraving Plate Co. Miller Bryant Pierce Co. The W. O. Hickok Manufacturing Co. City Gas Co., of Norfolk. Pay roll, New York, N. Y B. S. Pague Interstate Telephone Co. David Cuthbertson.	Repairing bookcase Printing monthly bulletins Supplies Carbon paper Ink Lamps Substation, salaries Office expenses	58. 79 136. 00
	The W. O. Hickok Manufacturing Co.	Ink	1.75
	City Gas Co., of Norfolk.	Lamps	1. 00 55. 00
	B. S. Pagué		19.40
16	Interstate Telephone Co		18. 40 2. 50
	T D Dishands	Office expensesdo Oil. Type Supplies for printing office Gum, ink, etc	2. 50 2. 40
	D. B. Melarius Johnson & Bork Barnhart Bros. & Spindler American Type Founders Co. Caton Manufacturing Co.	OilType	4. 00 6. 38
	A TOO TO SPINITED TO STANKE TO STANK	Campling for printing office	18. 97

WEATHER BUREAU-GENERAL EXPENSES-Continued.

M

ate.	Name.	Nature of payment.	Total.
898.			
r. 16	E. M. Bowman Wm. McLaughlin Jorgensen-Blesch Co	Drayage Dragage Rug Services Services and materialdo	\$1.
	Wm. McLaughlin	Dragage	5.
	Jorgensen-Blesch Co	Rug	5. 4.
	E. D. Beattie R. H. Weeks Leo Suck	Services	30.
	R. H. Weeks	Services and material	5.
	Leo. Suck	do	18.
	Tull & Dice	Repairing table	ã.
	Jno. J. Pugh	Cleaning office	3.
	Niobrara Stage and Transfer Co	Transportation	2. 1.
	Lefebore & Schumacher	Repairing office chair	1.
	Chicago, Burlington and Quincy R. R. Co	Passenger transportation	9.
	Pacific Coast Steamship Co	do	15.
	Mobile and Ohio R. R. Co	do	2.
	do	do	
	Baltimore and Ohio Southwestern Rwy. Co	do	10.
	do	do	
	E. F. Erbinger	do	
	C. H. Mallory & Co	do	1.
	Chicago and Northwestern Rwy. Co	do	
	do	do	2.
	do	do	59.
	Vandalia Line	do	
	Nashville, Chattanooga and St. Louis Rwy	do	6.
	Missouri Pacific Rwy. Co	do	4.
	R. H. Weeks Leo. Suck Tull & Dice Jno. J. Pugh Niobrara Stage and Transfer Co Lefebore & Schumacher Chicago, Burlington and Quincy R. R. Co Pacific Coast Steamship Co Mobile and Ohio R. R. Co do Baltimore and Ohio Southwestern Rwy. Co do E. F. Erbinger C. H. Mallory & Co Chicago and Northwestern Rwy. Co do vandalia Line Nashville, Chattanooga and St. Louis Rwy Missouri Pacific Rwy. Co Norfolk, Virginia Beach and Southern R. R. Co Norfolk and Western Rwy. Co	do	5.
	Co.		
	Norfolk and Western Rwy. Co	do	17.
	Norfolk and Washington Steamboat Co	do	4.
	Alabama and Vicksburg R. R. Co	do	5.
	Southern Railway Co	do	5.
	Wilmington and Weldon R. R. Co	do	2.
	South Carolina and Georgia R. R. Co	do	14.
	Northeastern R. R. Co	do	6.
	Carolina Central R. R. Co	do	7.
	Co. Norfolk and Western Rwy. Co. Norfolk and Washington Steamboat Co. Alabama and Vicksburg R. R. Co. Southern Railway Co. Wilmington and Weldon R. R. Co. South Carolina and Georgia R. R. Co. Northeastern R. R. Co. Carolina Central R. R. Co. Georgia, South Carolina and Northern R. R. Co.	do	7. 2.
	Colorado River and Puget Sound Navigation Co.	do	
	Lake Shore and Michigan Southern Rwy.	do	•
	Fremont, Elkhorn and Missouri Valley R.R. Co.	do	3.
17	New Bedford, Marthas Vineyard and Nan- tucket Steamboat Co.	Telegraph services	6. 185.
1,	New England Telephone and Telegraph Co	do	2.
	International Ocean Telegraph Co. New England Telephone and Telegraph Co. Philadelphia, Reading and Pottsville Tele-	do	7.
	graph Co.		
	Union Pacific Rwy Co	Passenger transportation	31.
	Henry Kahn & Co	Rangiring clock	91.
	Julien P. Frieze	Repairing clock	2. 58.
	Golding & Co.	Supplies Frames Supplies Lanterns Consider by here	8.
	Neostyle Co	Frames	57.
	Geo. Meier & Co	Supplies	6.
	Peter Grav	Lanterns	145.
	Chadwick Copying Book Co	Copying books Iron castings Supplies Stamps	59.
	P. Kennedy	Iron castings	4.
	The Coston Signal Co	Supplies	78.
	J. M. Winslow	Stamps	7.
	Pacific States Type Foundry	Ink	1.
	N. R. Wells	Office expenses	1.
18	Elisha Davis	Services	3.
	Martin Gable	Rollers for printing office	3.
	graph Co. Union Pacific Rwy. Co Henry Kahn & Co. Julien P. Frieze. Golding & Co. Neostyle Co. Geo. Meier & Co. Peter Gray. Chadwick Copying Book Co. P. Kennedy The Coston Signal Co. J. M. Winslow Pacific States Type Foundry. N. R. Wells: Elisha Davis Martin Gable Consumers' Electric Light and Street Rwy. Co. W. J. Berry J. F. Stubbs Fred. Gaither	Services Rollers for printing office Services, etc.	2.
	W.J. Berry	Repairs to tin roof	2. 5.
	J.F. Stubbs	Services	5.
	Fred. Gaither	dodo	1.
	Fred. S. Irwin	do	15.
	H. A. Brock	Repairs to telegraph line	2. 2.
	A. M. Holter Hardware Co	Monkey wrench	2.
	American Type Founders' Co	Supplies	3.
	do	Type	3.
	Fred Gaither Fred S. Irwin H. A. Brock A. M. Holter Hardware Co. American Type Founders' Co. dodo.	Supplies for printing office	25.
	A. K. Demere	DIOCK and rope for nagstan	25. 3.
	A. K. Demere. F. H. Johnson, postmaster. P. C. Atwood	Stamps Benzine	4.
	P.C. Atwood	Benzine	1.
	Cumberland Telephone and Telegraph Co	Telephone rent	1.

Date.	Name.	Nature of payment.	Total.
1898.			-
Mar. 18	Alabama and Georgia Long Distance Tele- phone Co.	Telegraph service	\$9.60
	Fort Worth and Denver City Rwy, Co	do	11.30
	Pennsylvania Co	do Passenger transportationdo	20, 00 11, 75
)	Co. Pittsburg, Cincinnati, Chicago and St. Louis Rwy, Co. Aaron H. Bell. Norman B. Conger Pearl I. Hart Western Union Telegraph Co.	do	8.35
	Aaron H. Bell.	Traveling expenses	51.00
19	Norman B. Conger	Office expenses	4. 10 15. 00
21	Western Union Telegraph Co	Telegraph service	13, 050, 23
22 23	James B. Lambie	Office rent Telegraph servicedo Pliers	12, 166, 75 $7, 20$
20	W. A. Pate	Belting Lanterns Passenger transportation	51.94
	Peter Gray. Norfolk and Washington (D. C.) Steamboat	Lanterns	59. 50 3. 00
	Co. Southern Railway Co United States Express Co. Adams Express Co. Postal-Telegraph Cable Company J. C. Entwistle Hoke Engraving Plate Co. Rudolph, West & Co. Standard Oil Co.	do	10. 40 28. 55
	Adams Express Co		19. 80 97. 33
	Postal-Telegraph Cable Company	Telegraph service	97. 33 5. 00
	Hoke Engraving Plate Co	Service	87. 50
	Rudolph, West & Co.	Oilers Machine oil	1.15
3	J. E. Turton	Shelters	5.00 60.00
	Broderick Bros	Shelters Rags for printing office	14 00
	R. C. Ballantyne	Stationery	115, 19 16, 50
	Barnhart Bros. & Spindler	Type	10.37
	The Maurice Joyce Engraving Co	Supplies	21.05
24	J. E. Turton Broderick Bros R. C. Ballantyne. M. Du Perow Barnhart Bros. & Spindler The Maurice Joyce Engraving Co. do. Smithfield Telephone Co. Jacksonville and St. Johns Bar Telegraph	Rags for printing office Stationery. Supplies Type Supplies do Telegraph service	5. 40 4. 60 5. 75
	Lowe Telephone Co	do.	2, 40
	North American Telegraph Co. The Friedenwald Co. do.	do	12. 44 316. 00
- 3	do	Man paner	262, 89
	do d	do	324.00
	American Type Founders' Codo	Type leaders	3.83 5.10
	Keuffel and Esser	do	25.00
	Control of the contro	Supplies do Printing monthly report do Erecting flagstaff Services Recasting rollers Repairing instrument shelters	42.00 61.50
	Walter N. Chase	Erecting flagstaff	20.00
	Jno. R. Robinson	Services	25, 00 3, 50
	Duff Dodson Jos, Gussenhoven Dubuque Cabinetmakers' Association N. B. Conger	Repairing instrument shelters	10.00
	Dubuque Cabinetmakers' Association	Office case	22. 00 1. 75
	D. P. McCallum	do	1.65
	H. W. Clough	Traveling expenses	4.75 13.00
	H. W. Clough W. H. Fallon F. G. Erskine L. M. Dev ir	do	11. 10
	L. M. Dey, jr.	do	6. 50
	New York, New Haven and Hartford R. R. Co.	Transportationdo	. 35
	L. M. Dey, Jr. Grand Trunk Rwy, System New York, New Haven and Hartford R.R.Co West Shore R. R. (New York Central and Hudson River R. R. Co. lessees).	do	2.58
	Hudson River R. R. Co. lessees).	do	. 64
	Wabash R. R. Co. Charleston and Savannah Rwy. Co. Richmond, Fredericksburg and Potomac	do	1.36
			. 25
28	R. R. Co. J. C. Parker do L. N. Jesunofsky W. F. Phillips et al Jno. P. Church et al	Paper for printing office	346.00
31	L. V. Jesupofeky	Paper and ink	1,,765.76
91	W. F. Phillips et al	Salaries	. 50 172. 30
	Jno. P. Church et al	do	2, 570. 17
	Total third quarter		105, 985. 43
Apr. 2	Isaac Bloch	Office rent	87. 50
	Fred Arnold	do	75.00 250.00
	Isaac Bloch Fred Arnold Indianapolis Gas Co Pacific Club F. M. Brown & Co	do	67.50
	F. M. Brown & Co	do	100.00

ate.	Name.	Nature of payment.	Total.
98.	R. A. Dodson, executor Walla Walla Lodge No. 56, I. O. O. F. Merrill, Bliss & Co. Edwd, J. Davenport Jos. Swift & W. H. Swift Ella W. Daniels Guarantee Building Co. E. H. Jamieson B. M. Jacobs. Maggie French Edgar Harding Southern Bell Telephone and Telegraph Co. do. do. Pennsylvania Telephone Co. of Buffalo. Southern Bell Telephone and Telegraph Co. Chicago Telephone Co. Canyon City Telephone Co. Canyon City Telephone Co. Southern States Telephone Co. Southern States Telephone and Telegraph Co. Southern States Telephone and Telegraph Co. Collicagan Telephone Co. Southern States Telephone Co. Inland Telephone and Telegraph Co. Cumberland Telephone and Telegraph Co. Santa Fe Electric Telephone Co. Inland Telephone and Telegraph Co. Union Pacific R. R. Co. Corvallis and Eastern R. R. Co. E. S. Hughes & Co. R. McLaughlin Balfe D. Johnson Chicago Auditorium Association. The Farmers' Bank of Fresno. Charlotte Gardner and P. A. Johnson Asher Marks, administrator A. J. Knight Henry Landes. State Trust Co. Tyree & Wilkins, agents T. B. Catron Jas. A. Smith A. H. Behnke et al. Bunce & Hangen B. C. Watkins H. F. Alciatore H. L. Ball C. B. Bright C. M. Strong Geo. E. Hunt A. Ashenberg Pay roll, New York, N. Y Pay roll, New York, N. Y Pay roll, New Haven, Conn Zetta Higgins J. W. & Johnson W. S. Belden W. B. Schlomer L. H. Daingerfield Discourant Telephone De Total Telep		
. 2	R. A. Dodson, executor	Office rent	\$131.
	Walla Walla Lodge No. 56, I. O. O. F	do	84.
	Merrill, Bliss & Co	do	25.
	Edwd. J. Davenport	do	25. 75.
	Jos. Swift & W. H. Swift	do	75.
	Ella W. Daniels	do	75.
	Guarantee Building Co	do	126.
	E. H. Jamieson	do	120.
	B. M. Jacobs	do	15.
	Maggie French	do	74. 87.
	Edgar Harding	do	87.
4	Southern Bell Telephone and Telegraph Co-	Rent of telephone	3.
	do	do	10.
	Pennsylvania Telephone Co	do	21.
	The Bell Telephone Co. of Buffalo	do	12
	Southern Bell Telephone and Telegraph Co.	do	12. 7.
	Chicago Telephone Co	do	31.
1	Canyon City Telephone Co	do	6.
1)	Missouri and Kansas Telephone Co	do	18.
	Southern States Telephone Co	do	7
	Empire State Telephone and Telegraph Co	do	7. 25.
	Southwestern Telephone and Telegraph Co.	do	9.
	Bell Telephone Co. of Philadelphia	do	30
	Central Union Telephone Co	do	39.
	Michigan Telephone Co	do	6
	Support Telephone and Telegraph Co	do	6
	Cumberland Telephone and Telegraph Co	do	9
	Sonto Fo Flootrio Telephone Co	do	. 6
	Inland Telephone and Telegraph Co	do	18
	Union Pacific D. P. Co	Tolograph corries	10
	do	do de la companya de	24
	Convolling and Fastons D. D. Co.	do	22
	Corvains and Eastern A. A. Co	0.00	2.
	P. M. L. and P. W.	Omce rent	106
	R. Melaughim	do	150.
	Baire D. Johnson	do	45.
	Unicago Auditorium Association	ao	450
	The Farmers Bank of Fresno	do	60
	Charlotte Gardner and P. A. Johnson	do	69
	Asher Marks, administrator	do	77
	A. J. Knight	do	79
	Henry Landes	do	45.
	State Trust Co	do	87.
	Tyree & Wilkins, agents	do	67.
	T. B. Catron	do	105
	Jas. A. Smith	do	90
	A. H. Behnke et al	do	83
-	Bunce & Iiams	do	90
1	J. L. & W. L. McCaque	do	125
	G. H. Hagen	Office expenses	1
	B. C. Watkins	do	1
	H. F. Alciatore	Traveling expenses	26
	H. L. Ball	do	9.
	C. B. Bright	do	8.
	C. M. Strong	do	11.
	Geo. E. Hunt	do	11.
	A. Ashenberg	do	19.
	Pay roll, Norfolk, Va	Substation salaries	100.
	Pay roll, New York, N. Y.	do	55.
	Pay roll, New Haven, Conn	do	48.
	Zetta Higgins	Services	30.
	J. W. Branon	do	15.
	W. A. Johnson	do	30.
	W. S. Belden	do	27.
	W. B. Schlomer	do	29. 27.
	W. S. Belden W. B. Schlomer L. H. Daingerfield	do	27.
	J. K. Hooper	do	27.
	C. K. Robinson	do	31.
	R. P. Powell	do	24.
	G. H. Noyes	do	24. 33.
	L. H. Daingerfield J. K. Hooper C. K. Robinson R. P. Powell G. H. Noves Mary C. Ward Louis Prior Katie Collins Allie M. Adie Baltimore and Ohio Southwestern Rwy. Co. Union Pacific Rwy. Co. Florida Central Peninsula R. R. Co. Boston Type Foundry F. P. May & Co.	do	15.
	Louis Prior	do	9.
	Katie Collins	do	9.
	Allie M. Adie	do	19.
	Baltimore and Ohio Southwestern Rwy. Co	Transportation	15.
	Union Pacific Rwy. Co	Passenger transportation	16.
	Florida Central Peninsula R. R. Co	do	14.
		70 17	2.

160 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898.	,		
Apr. 4	F. P. May & Co.	Files	\$5. 75
	The Maurice Joyce Engraving Co	SuppliesRubber bands	3. 63 140. 58
	The Maurice Joyce Engraving Co E. Morrison Paper Co H. Dunwoody Furniture Co	Window shades	4. 90
	Barnhart Bros. & Spindler	Type	2. 20
	Julien P. Friez	Supplies	24.00
	Eugene Milliken	Water and les	7. 25
	C. M. Hall	Photographs	2. 30 3. 25
	H. Dunwoody Furniture Co. Barnhart Bros. & Spindler Julien P. Friez Eugene Milliken Wagner & Chabot C. M. Hall American Type Founders Co. do. do.	Rubber bands Window shades Type Supplies do Water cooler Photographs Supplies do Type	13.22
	do	do	13.46
	do H. M. Knowles Jno. Schultzbach	Type Repairing U. S. telegraph line	1. 65 28. 00
	Jno. Schultzbach		14.00
	L. Rogers	Storm doors	12. 50
	Jno. Schultzbach L. Rogers C. Vincent J. G. Landick Chas. W. Pugh Alex. H. Revell & Co. P. C. Shaw Knight & Rosenkrans Seth Graham & Son	services and material Storm doors Services and materials Repairing rain gauges Repairing chairs Washing towels do Drayage	9, 50
	J. G. Landick	Repairing rain gauges	1.50 44.00
	Alex. H. Revell & Co.	Repairing chairs	2. 00
	P. C. Shaw	Washing towels	6.00
	Knight & Rosenkrans	do	1.50
	Seth Graham & Son American Type Founders Co	Drayage	1. 35 2. 75
	do	Paper	2. 00
	do Consumers' Electric Light and Street Rwy.	Type Paper Electric light	5.00
	Co.	Tml	1. 25
	Addresssograph Co City Gas Co. of Norfolk.	Ink Electric light do do Service and material	4. 50
	Guarantee Building Co	do	9.00
	Guarantee Building Co. Consolidated Electric Light Co. of Maine. James Ramsey. Edison Sault Electric Co. A. R. Taylor & Co. S. B. Pendleton. J. V. Alfriend.	do	10.00
	James Kamsey	Moving lanterns	3. 00 1. 50
	A. R. Taylor & Co.	Repairing typewriter	1.00
	S. B. Pendleton	Erecting flagstaff	78, 00
	J. V. Alfriend	Repairs to typewriter	2. 5 0 37. 25
	J. V. Alfriend Hoke Engraving Plate Co do	Service and material Moving lanterns Repairing typewriter Erecting flagstaff Repairs to typewriter Services and supplies	33. 49
	do	do do do do do do do Telegraph service Cotton cloth Benzine Supplies Supplies for printing office Locks	50.00
6	do. Postal Telegraph Cable Co. Woodward & Lothrop. Geo. F. Muth & Co. H. H. Brown The Maurice Joyce Engraving Co. F. A. Schmidt. Rudolph, West & Co. J. E. Turton. W. B. Moses & Sons. do. Jas. B. Lambie.	Telegraph service	105. 46
	Geo F Muth & Co	Rongine	6. 52 4. 68
	H. H. Brown	Supplies	5, 02
	The Maurice Joyce Engraving Co	Supplies for printing office	18. 0€
	F. A. Schmidt	Measuring sticks	46. 50 7. 91
	J. E. Turton	Frames	15. 00
	W. B. Moses & Sons	Frames Office furniture	147, 61
	do	Blow torches	74. 20 84. 64
	Jas. B. Lamble	Oil caps etc	16. 16
	Forsberg & Murray	Supplies	975, 20
7	Jas. B. Lambie do Forsberg & Murray H. C. Bate P. F. Lyon A. H. Webb	Oil cans, etc Supplies Office expenses	4. 10 1. 50
	P. F. Lyon	do	1.50 2.50
	C. M. Boucher	do	1. 95
	A. H. Webb C. M. Boucher E. H. Nimmo H. W. Richardson	do	1.00
	H. W. Richardson	do	3.00
	N. B. Conger	Traveling expenses	21. 00
	N. B. Conger C. C. Randolph Pennsylvania R. R. Co. Great North Western Telegraph Co. of	Passenger transportation	20, 45
	Great North Western Telegraph Co. of	Passenger transportation Telegraph services	20. 45 166. 88
			4.80
	American District Telegraph Co	Express charges	1. 25
	Wile Furniture Co	Express charges	15. 00
	The W. O. Hickok Manufacturing Co	Ink	2.50
	Candina Midland Rwy. Co American District Telegraph Co Wile Furniture Co The W. O. Hickok Manufacturing Co Union Typewriter and Supply Co Mackall Bros. & Flemer L. Ichenhauser & Sons	Typewriter stand Tartaric acid Water cooler and stand	2. 25 . 68
	L. Ichenhauser & Sons	Water cooler and stand	5. 25
	Isaac Eberly	Office rent	154.00
	T. M. Jeffris & Co	do	81. 25 97. 41
	U. M. Beeson H W Styren	do	97. 41 38. 62
	F. E. Warren Mercantile Co.	do	91. 90
	C. M. Boucher.	,do	42.00
1	L. Ichenhauser & Sons Isaac Eberly T. M. Jeffris & Co C. M. Beeson H. W. Styron F. E. Warren Mercantile Co C. M. Boucher The Society for Savings P. H. Swearingen Portland Trust Co. of Oregon	do	285. 00
	P. H. Swearingen	00	48.00 210.00

te.	Name.	Nature of payment.	Total
8.			
8	J. E. Turton	Iron handles	\$8
	Gustav E. Stechert	Books	9
	Gustav E. Stechert. Fred'k Springmann E. Morrison Paper Co H. L. Ball The Maurice Joyce Engraving Codo. Jo. L. Entwistle W. C. Newton & Co Clas. Carter.	Hauling Rubber bands Traveling expenses	1
	E. Morrison Paper Co	Rubber bands	25 17
15	H. L. Ball	Traveling expenses	17
16	The Maurice Joyce Engraving Co	Traveling expenses Suppliesdo Iron links Engraving Services	1
	Eurobana & Marrow	Then links	60
	T F Frigitle	Engraving	4
	W C Newton & Co	Sarvicas	5 23
	Chas. Carter.	do	6
	M. G. Copeland & Co	Flore	365
18	Paul De Graw	Sarvicas	365 25
10	L. J. Guthre	do	27
	Frank Jennin	do	29
	J. H. Kimball	ob	27
	C A Hyle	do	32
	O.C. Burrows	do	29
20	B S Williams	Office rent	55
20	H. D. & F. H. Irish	do	59
	W. C. Newton & Co Chas. Carter. M. G. Copeland & Co Paul De Graw L. J. Guthre. Frank Jennin J. H. Kimball C. A. Hyle. O. C. Burrows B. S. Williams H. D. & F. H. Irish Margaret Parmentier Jos. Gussenhaven Albert Marty G. H. Miller, guardian Northwestern Life Insurance Co National Bank of Commerce The Penn Mutual Life Insurance Co D. Horton Paine Bros Geo. E. Shaw Tacoma Chamber of Commerce and Board of Trade.	do	75
	Jos. Gussenhaven	do	120
	Albert Marty	do	165
	G. H. Miller, quardian	do	165 105
	Northwestern Life Insurance Co	do	78
	National Bank of Commerce	do	92
	The Penn Mutual Life Insurance Co	do	81
	D. Horton	do	90
4	Paine Bros	do	78
	Geo. E. Shaw	do	70
	Tacoma Chamber of Commerce and Board	do	60
	of Trade. H. Overholzer		
	H. Overholzer	do	127
	Salt Lake Board of Trade	do	127 100
	Fannie L. Keating	do	90
	Pay roll, Wilmington, N. C	Substation salaries	72
- 1	Pay roll, Baltimore, Md	do	45
- 17	Pay roll, Savannah, Ga	do	66
	Pay roll, Boston, Mass	do	66 530
	Fort Worth and Denver City Rwy, Co	Telegraph service	10
	Chicago, Burlington and Northern R. R. Co.	do	2
	The Ohio Valley Telephone Co	Telephone rent	18
	New York Telephone Co	do	60
	of Trade. H. Overholzer Salt Lake Board of Trade Fannie L. Keating Pay roll, Wilmington, N. C Pay roll, Baltimore, Md Pay roll, Savannah, Ga Pay roll, Boston, Mass Fort Worth and Denver City Rwy, Co. Chicago, Burlington and Northern R. R. Co The Ohio Valley Telephone Co. The City and Suburban Telegraph Association.	do	25
	tion.		
	Southern Bell Telephone and Telegraph Co- Oregon Telephone and Telegraph Co- Chesapeake and Potomac Telephone Co. of	do	5
	Oregon Telephone and Telegraph Co	do	22
	Chesapeake and Potomac Telephone Co. of	do	22 33
	Baltimore.		
	Southwestern Telegraph and Telephone Co	do	15
	Columbia Telephone Co	do	10
	Iowa Telephone Co	Telephone services	ϵ
	Home Telephone Co	do	ϵ
	Baltimore. Southwestern Telegraph and Telephone Co. Columbia Telephone Co. Lowa Telephone Co. Home Telephone Co. Bell Telephone Co. Bell Telephone Co., of Missouri Southern Bell Telephone and Telegraph Co. Corpus Christi Electric Co. Indianapolis Light and Power Co. The Brush Electric Co. H. L. Pittock. Portland Gas Co. A. Nelson. Julien P. Friez. The Barbour Bros. Co.	do	16
	Southern Bell Telephone and Telegraph Co.	do	13
	Corpus Christi Electric Co	Electric services	18
	Indianapolis Light and Power Co	do	18
	The Brush Electric Co	do	15
N	H. L. PINOCK	Electric current	18
	A Malana tras Co	Gas	12
	Indian D Trian	Drayage	28
0	The Perham Pres Co	Supplies	28
- 0	American Type Foundary Co.	Thread	1
	The Barbour Bros. Co American Type Founders Co American Toilet Supply Co	Township	73
	Anna Faria	Thread Supplies Towels	2
	American Toilet Supply Co Anna Faris. Dressing Cabinet Supply Co Conrad Kothe W. T. Short J. J. S. Millspaugh Hoke Engraving Plate Co Beverly Hudnell C. A. Blummer J. W. Smith M. H. Tassin G. H. Hagen	do	2 5 2
	Conred Kothe	Sorriage and materials	10
	W T Short	do do	10
	J. J. S. Millspangh	Washing towals ata	7
	Hoke Engraving Plate Co	Posseting plates	1
	Reverly Hudnell	Cleaning plates	68
	C A Blummer	Services	9
	J W Smith	Office expenses	15
	M H Taggin	do do	11
	G. H. Hagen L. M. Pindell	do	1
		UU	2

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 20	F. H. Clarke	Office expenses	\$3, 90
	P. Connor	do	9.03
	L. N. Jesunofski	do	3, 85
	Louisville and Nashville R. R. Co	Passenger transportation	16. 85
	Wm. I. Rell	do	7. 00
	Chesapeake and Ohio Rwy. Co.	do	1. 50 17. 39
	Cleveland, Akron and Columbus R. R.	do	. 45 15. 53
	Missouri Pacific Rwy Co	do	15. 53 34. 44
	Cleveland Terminal and Valley R. R. Co	do	. 45
	Chicago and Northwestern Rwy. Co	do	. 45 49. 66
	New York New Haven and Hartford R. R. Co.	do	7. 99 . 88
	Vandalia Line	do	. 25 1. 74
	Southorn Prov. Co	do	1. 74
	Straits Steamship Co	do	7. 92 2. 60
	do	do	4.15
	E. F. Ebinger	do	. 37
	F. H. Clarke P. Connor T. S. Outram L. N. Jesunofski Louisville and Nashville R. R. Co Northern Pacific Rwy. Co Wm. L. Bell Chesapeake and Ohio Rwy. Co. Cleveland, Akron and Columbus R. R. Evansville and Terre Haute R. R. Missouri Pacific Rwy. Co. Cleveland Terminal and Valley R. R. Co. Chicago and Northwestern Rwy. Co. Merchants and Miners' Transportation Co. New York, New Haven and Hartford R. R. Co. Vandalia Line do. Suthern Rwy. Co. Straits Steamship Co. do. E. F. Ebinger Baltimore and Ohio Southwestern Rwy. Co. Burlington and Missouri River R. R. in Nebraska.	do	. 69
	braska.		* 00
	Toledo, St. Louis and Kansas City Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis	do	. 56 9. 92
			9.92
	Nashville, Chattanooga and St. Louis Rwy. Co	do	4.96
	do Pennsylvania Co	do	2.64 3.55
	Nashville, Chattanooga and St. Louis Rwy. Co Pennsylvania Co	do	8. 97
01	Rwy, Co.	3 1 to the same of	107 00
21	Pay roll, La Crosse, Wis	do	167. 00 21. 00
	Pay roll, Harrisburg, Pa	do	. 70.00
	Pay roll, Raleigh, N. C.	do	83. 00
	Pay roll, Shreyeport, La	do	83. 00 42. 00 42. 00
	Pay roll, Fort Smith, Ark	do	18.00
	Pay roll, New Orleans, La	do	. 84.00
	Pay roll, Atlanta, Ga.	do	58.70 105 00
	Pay roll, Cairo, Ill	do	135.00
	Pay roll, Davenport, Iowa	do	93, 50 7, 00
	Pay roll, Narragansett Pier, R. I	,do	7. 00 90, 00
	Pay roll, Portland, Me.	do	60, 00 52, 50
	Pay roll, Portland, Me.	do	30.00
	Bank and Insurance Building Co	Office rent	90.00
	Real Estate and Law Building Co	do	34. 25 52. 50
	Kate F. Coke	do	60.00
	M.E. Conway	do	60. 00 37. 74 137. 50
	Union Trust Building Co., Limited	do	78. 50
	Nashville Laundry Co	Towel service	1.80
	D. C. Cross	do	1, 50 3, 00
	The Only Toilet Supply Co.	do	4, 50
	A. Werner	Repairing desk	5.00
	J. R. Bowden	Moving instrument shelter	1.10 18.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. Pay roll. Montgomery, Ala Pay roll. La Crosse, Wis. Pay roll. La Crosse, Wis. Pay roll, Raleigh, N. C. Pay roll, Raleigh, N. C. Pay roll, Shreveport, La Pay roll, Shreveport, La Pay roll, New Orleans, La Pay roll, New Orleans, La Pay roll, New Orleans, La Pay roll, Atlanta, Ga Pay roll, Cairo, Ill Pay roll, Cincinnati, Ohio. Pay roll, Davenport, Iowa. Pay roll, Narragansett Pier, R. I. Pay roll, New Orleans, La Pay roll, Portland, Me. Pay roll, New Orleans, La Pay roll, Portland, Me. Bank and Insurance Building Co. Real Estate and Law Building Co. Luke & Smith. Kate F. Coke M. E. Conway Union Trust Building Co., Limited. Colley & Wright. Nashville Laundry Co. D. C. Cross J. F. Beck The Only Toilet Supply Co. A. Werner J. R. Bowden Julien P. Friez H. C. Hansen The Safety Insulated Wire and Cable Co. J. E. Walker	Electrotypes, etc.	40.00
	H. C. Hansen The Safety Insulated Wire and Cable Co	Wire	15.00
	J. E. Walker Geo. Meier & Co	Wire. Oil, etc. Lithographic ink	-3. 50 30. 50
	A oron Sargant		12.00
	Jas. Evans Ella Beahan Richard Titus L. R. Christhilf	do	9. 00
	Ella Beahan	do	9. 00 12. 00 15. 00
	L. R. Christhilf	do	15. 00
	Louisa Johnson	do	9, 00 15, 00
	W. T. Turbeville	do	15.00
	L. K. Christhilf Louisa Johnson Kate E. Reynolds W. T. Turbeville J. L. Patrick F. L. Zeigler Guadalupe Ouiroz	do	45.00
	F. L. Zeigler	do	30, 00 9, 00
	Guadaiupe Ouiroz	do	5.00

te.	Name.	Nature of payment.	Total.
8.			
21	Michael Cooney C. C. Hayman Nebraska Telephone Co. Wisconsin Telephone Co. Wisconsin Telephone and Telegraph Co. Chesapeake & Ohio Rwy. Co. Jno. J. McLean S. M. Blandford E. C. Hobbs F. S. Johnson S. P. Gresham E. B. Dunn Atlantic City Gas and Water Co. Consolidated Gas Co. The People's Gaslight and Coke Co. Little Rock Edison Electric Light and Power Co.	Services	\$3. 7.
	C. C. Hayman	do	. 7.
	Nebraska Telephone Co	Telephone services	15.
	Wisconsin Telephone Co	do	15.
	Sunset Telephone and Telegraph Co	do	. 6.
	Chesapeake & Ohio Rwy. Co	Passenger transportation	14.
	Jno. J. McLean	Traveling expenses	10.
	S. M. Blandford	Office ownerses	11.
	E. C. H0008	Omce expenses	23.
	F. S. Johnson	do	1.
	E. P. Dann	do	1. 17.
	Atlantia City Gas and Water Co	Gae	71.
	Consolidated Gos Co	do	3. 18.
	The People's Gaslight and Coke Co	do	6.
	Little Rock Edison Electric Light and	Electric current	25.
	Power Co.	meetile earteners	20.
	T W Pemberton	do	5.
	Minnesota International Electric Co	do	15.
	Cumberland Electric Light and Power Co.	do	15.
	Citizens' General Electric Co	do	22.
	Lincoln Traction Co	do	13.
	Power Co. T. W. Pemberton. Minnesota International Electric Co. Cumberland Electric Light and Power Co. Citizens' General Electric Co Lincoln Traction Co Travers Bros. Co. J. P. Glynn. Whitall & Siddall East Tennessee Telephone Co. Deseret Telegraph Co. Duluth, Superior & Western Rwy. Co. Chicago, Rock Island & Pacific Rwy. Co. Atchison, Topeka & Santa Fe Rwy. Co. Lake Superior and Michigan Southern Rwy. Co.	Cord.	6.
	J. P. Glynn	Drayage	2.
	Whitall & Siddall	Bookcase	18
22	East Tennessee Telephone Co	Telegraph service	18. 14.
	Deseret Telegraph Co	do	106.
	Duluth, Superior & Western Rwy, Co	do	2.
	Chicago, Rock Island & Pacific Rwy. Co	Passenger transportation	25.
	Atchison, Topeka & Santa Fe Rwy. Co	do	62. 7.
	Lake Superior and Michigan Southern	do	7.
	Rwy. Co.		
	Missouri and Kansas Telephone Co	Telephone services	9.
	The Cleveland Telephone Co	do	18.
	Michigan Telephone Co	do	6.
	Sunset Telephone and Telegraph Co	do	6.
	Jas. B. Miles	Services	90.
	E. C. Crocker	do	30
	B. T. Rochester	do	9
	J. P. Bolton	Office expenses	37.
	C. F. R. Wappenhaus	do	4.
	W. M. Wilson	do	8.
	J. B. Marbury	do	7.
	H. C. Frankenfield	do	4.
	J. M. Sherier	do	7.
	E. B. Klenards	do	7.
	Catherine Wilson	Office rent	140.
	wm. Chandler	do	84.
	Barnard Brown		105
	Continental National Bank	00	150
	The First National Reply	do	163
	Core & Kimbell	do	66. 99.
	A P Faglaston	do	65.
	Atchison, Topeka & Santa Fe Rwy, Co. Lake Superior and Michigan Southern Rwy, Co. Missouri and Kansas Telephone Co. Missouri and Kansas Telephone Co. Michigan Telephone Co. Sunset Telephone and Telegraph Co. Jas. B. Miles E. C. Crocker B. T. Rochester J. P. Bolton C. F. R. Wappenhaus W. M. Wilson J. B. Marbury H. C. Frankenfield J. M. Sherier E. B. Richards Catherine Wilson Wm. Chandler Barnard Brown Continental National Bank Central Investment Co. The First National Bank Cone & Kimball A. P. Eagleston Geo. S. Waite Lorenzo Littlefield L. Mirelaz Pay roll, Charleston, S. C. Pay roll, Kansas City, Mo. Pay roll, Pensacola. Fla Pay roll, Jacksonville, Fla Pay roll, Charleston, S. C. Alpens Drinkwater E. E. Mayhew & Co. Frank C. Whaley Wescott Smith Elsie Roller Composition Co. Peleg Brown California In Co. Nowich University W. H. Renear L. Neagele & Sons do Religh Gas Co. Milwaukee Gaslight Co. New Orleans Gaslight Co. Holbrook, Merrill & Stétson The Kilbourne-Jones Co.	do	101
	Lorenzo Littlefield	do	
	L. Wireles	do	64.
	Pay roll Charleston S C	Substation calaries	64.
	Pay roll Kansas City Mo	do	16.
	Pay roll Pensacola Fla	do	36.
	Pay roll Jacksonville Fla	do	60.
	Pay roll Charleston S C	do	18.
	Alpens Drinkwater	Repairing telegraph line	1.
	E. E. Mayhew & Co	Team and labor	2.
	Frank C. Whalev	Repairing telegraph line	4.
	Wescott Smith	dodo	2.
	Elsie Roller Composition Co	Services, etc	2.
	Peleg Brown	Hire team	4.
	California Ink Co	Casting rollers	1.
	Norwich University	Electric current.	1.
	W. H. Renear	Hire team	12.
	L. Neagele & Sons	Printing summary	50.
	do	Printing crop reports	25.
	Raleigh Gas Co	Hire team Printing summary Printing crop reports Gas do do Supplies	25. 10.
	Milwaukee Gaslight Co	do	14.
	New Orleans Gaslight Co	do	21.
	Hollyrook Marrill & Stotaan	Water cooler.	4.

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 22	J. J. Paquette	Gasoline, etc	\$2.15 1.50
	Thos. P. Gable, postmaster	Post-office box	1.50
	A. A. Bolles	Drayage	5.00
23	Robt. P. Powell	Traveling expenses	10.00
	A. A. Bolles M. Cotter Robt. P. Powell Wm. B. Schlomer H. C. Merrill C. K. Robinson R. G. Allen F. H. Clarke Delaware and Atlantic Telegraph and Telephone Co.	do	5. 00 3. 15
	H. C. Merrill	do	32. 15
	C. K. Robinson	do	10.85
	K. G. Allen	do	14.80 17.02
	Delaware and Atlantic Telegraph and Tele-	Telephone rent	12. 00
	Southern Bell Telephone and Telegraph Co. New York and Pennsylvania Telephone	do	8. 25 21. 00
	New York and Pennsylvania Telephone	do	21.00
	and Telegraph Co.	do	5. 00
	East Tennessee Telephone Co.	do	10. 00
	Southern Bell Telephone and Telegraph Co.	do	15.00
	do	do	5.00
	ao	do	10.00
	Missouri and Kansas Telephone Co	do	15. 00 18. 00
	and Telegraph Co. The Cairo Telephone Co. East Tennessee Telephone Co. Southern Bell Telephone and Telegraph Co. do. do. do. Missouri and Kansas Telephone Co. Wisconsin Telephone Co. La Crosse Telephone Co. Southwestern Telegraph and Telephone Co. R. L. Lewis. Central District and Printing Telephone Co.	do	3.75
	La Crosse Telephone Co	do	- 7. 50
	Southwestern Telegraph and Telephone Co.	do	6.00
	K. L. Lewis	00	15. 00 34. 25
	Co Co	(10	54. 25
	W. T. Smith	do	12.00
	Northwestern Telephone Exchange Co	do	18.00
	Hudson River Telephone Co	do	15.00
	Raleigh Telephone Exchange	do	10.00
	Citizens' Telephone Co	do	9. 00 6. 00
	Northwestern Telephone Exchange	do	9. 00
	People's Telephone and Telegraph Co	do	7.50
	Cumberland Telephone and Telegraph Co	do	24. 00
	New England Telephone and Telegraph Co.	do	12. 00 10. 00
	Central District and Printing Telephone Co. W. T. Smith. Northwestern Telephone Exchange Co Hudson River Telephone Co Raleigh Telephone Exchange East Tennessee Telephone Co Citizens' Telephone Co Northwestern Telephone Exchange. People's Telephone and Telegraph Co Cumberland Telephone and Telegraph Co New England Telephone and Telegraph Co Citizens' Cooperative Telephone Association.		10.00
	Michigan Telephone Co	do	15.00
	Sunset Telephone and Telegraph Co	do	15.00
	Central District and Printing Telephone Co.	Office pont	9. 00 126. 00
	Amarillo Improvement Co	do do	50.00
	Pittsboro Moncure Telegraph Line	Telegraph service	50.00 7.70 5.20
	Central Union Telephone Co	do	5. 20
	New England Telephone and Telegraph Co.	do	2.70
	Chesterfield Telephone and Telegraph Co	do	21. 00 7. 70
	Georgetown and Lanes Telegraph Co.	do	8. 35
	International Ocean Telegraph Co	do	194.74
	R. W. Clement	Services	15.00
	L. Kogers	Use of team	15. 00 30. 00
	tion. Michigan Telephone Co. Sunset Telephone and Telegraph Co. Central District and Printing Telephone Co. First National Bank, Portland, Me. Amarillo Improvement Co. Pittsboro Moncure Telegraph Line. Central Union Telephone Co. New England Telephone and Telegraph Co. The Miami Telephone co : Chesterfield Telephone and Telegraph Co. Georgetown and Lanes Telegraph Co. International Ocean Telegraph Co. R. W. Clement L. Rogersdo Malachi Corbet	Use of team.	2.00
	Malachi Corbet W. H. H. Smith .' A. A. Day The Martin Strelan Co O. J. Glenn	Use of teams Use of team	7.00
	A. A. Day	Use of team	5 70
	A. A. Day The Martin Strelan Co O. J. Glenn Mobile Light and Power R. R. Co Charleston Edison Light and Power Co Columbia Water and Light Co Milwaukee Electric Railway and Light Co. J. J. Philbrick Pulaski Gas Light Co Nashville Gas Light Co Chas. S. Clarke, postmaster. Buffalo Gaslight Co A. C. Smith F. G. Blaisdel McEwen & Lanver	Drayage	1.00
	Mobile Light and Power R. R. Co	Electric current	2. 80 1. 87
	Charleston Edison Light and Power Co	do	1. 08
	Columbia Water and Light Co	do	1.50
	Milwaukee Electric Railway and Light Co	do	14.67
	J. J. Philorick.	Cas	1. 00 9. 75
	Nashville Gas Light Co	do	7.70
	Chas. S. Clarke, postmaster.	Post-office box rent.	. 50
	Buffalo Gaslight Co	Gas	6.40
	A. C. Smith	Gasoline	. 75
	MoFwen & Lanyor	Water Wood	9. 00 4. 99
	Consumers' Ice Co	Ice	3, 85
	A. C. Smith F. G. Blaisdel McEwen & Lanver. Consumers' Ice Co. The J. F. W. Dorman Co. Ross & Co.	Fasteners	26. 25
	Ross & Co	Matches	. 80
	Ross & Co American Type Founders' Co Gordon-Burnham Battery Co The Okonite Co., Limited	Supplies	4. 29 208. 00 52. 50
			208.00

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd. WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Apr. 23	Levy & Dreyfus Co F. W. Ruete. F. C. Ullrich The Smith Premier Typewriter Co Albrecht & Heick O. O. Barrows Union Typewriter and Supplies Co H. O. Halitter S. J. Yarger McCrary & Branson Youngstown Bridge Co J. H. Clarke Jno. Brooks Jno. R. Hobbs Silver State Towel Supply Co H. A. Campbell Pay roll, Mobile. Ala Pay roll, Woods Hole, Mass Pay roll, St. Louis, Mo Pay roll, Parkersburg, W. Va Jackson and Richmond Square Telephone Co. Relleire Janesville and Cincinnati Rwy Co	Smoked-glass spectacles	\$4.50
	F. W. Ruete	Ink, oil, etc	7, 05
	F. C. Ullrich	Basket.	. 75
	The Smith Premier Typewriter Co	Typewriter	96. 75
	O O Barrows	Renairing caligraph	1. 00 2. 50
	Union Typewriter and Supplies Co	do	11.00
	H. O. Halfitter	Repairing clock	2.50
	S. J. Yarger	Repairing stapling machine	1.00
	Voungstown Bridge Co	Services	1. 60 54. 00
	J. H. Clarke	do	5.00
1	Jno. Brooks	do	5.00
	Jno. R. Hobbs	Use of horse	1.50
	H A Campbell	do	2. 25 3. 00
26	Pay roll, Mobile, Ala	Substation, salaries	70. 00
- 1	Pay roll, Woods Hole, Mass	do	60.00
	Pay roll, Portland, Oreg	do	75. 00
	Pay roll Parkershurg W Va	do	128. 10
	Jackson and Richmond Square Telephone	Telegraph service	128. 10 190. 25 30. 80
	Co.		
	Bellaire, Janesville and Cincinnati Rwy. Co.	do	7.40
	J A Fox	do	2.70 6.00
	Chicago, Burlington and Northern R. R. Co .	do	3. 07
	Bellaire, Janesville and Cincinnati Rwy. Co. Corvallis and Eastern R. R. Co. J. A. Fox Chicago, Burlington and Northern R. R. Co. Alabama and Georgia Long Distance Tele-	do	10.80
	phone Co.	J.	20.00
	Puget Sound Telegraph Co	do	39. 80 64. 72
	Cumberland Telephone and Telegraph Co	do	111.00
	Barron County Telephone Co	do	9.00
	Nebraska Telephone Co	do	54. 50
i	Maricona. Phoenix and Salt Lake River	Passenger transportation	7.70 2.10
	Valley R. R. Co.	- mose 28 (1 transportation	2.10
	phone Co. Pacific Postal Telegraph Co. Pacific Postal Telegraph Co. Cumberland Telephone and Telegraph Co. Barron County Telephone Co. Southern Bell Telephone and Telegraph Co. Maricopa, Phœnix and Salt Lake River Valley R. R. Co. Adams Express Co. Southern California Rwy. Co. Wabash R. R. Co. J. C. Parker do. do. Royce & Marean W. B. Moses & Sons Rndolph, West & Co.	do	38. 65
	Wahash R R Co	do	. 89 1. 49
Į	J. C. Parker	Paper	552. 87
-	do	do	988. 54
	do	Atlas Rubber rings Office furniture Supplies	7. 50
-	W R Moses & Sons	Office furniture	1. 25 66. 40
	Rudolph, West & Co	Supplies	4.80
	Mackall Bros. & Flemer	Vaseline	12.00
	W. D. Mose's & Sons Rudolph, West & Co Mackall Bros. & Flemer do McAllister and Feast	Chloride gold, etc	3. 61
	J. E. Turton	Kites	26, 60 260, 00
	do	Map frames	122, 50
	H. W. Smith	Services	96. 30
	J. E. Turton do H. W. Smith The Raleigh Electric Co. Cumberland Telephone and Telegraph Co. F. O. Bailey & Co. F. S. Smith E. D. Beattie Hoke Engraving Plate Co. American Type Founders Co. do Barnhart Bros. & Spindler do	Vaseline Chloride gold, etc Field glass, etc Kites Map frames Services Electric current	4. 50
	F. O. Bailey & Co	Electric current Telephone rent Repairing glass case. Printing crop bulletins do Supplies do Brass galleys, etc Supplies	23, 85 . 90
	F. S. Smith	Printing crop bulletins	19. 50
	E. D. Beattie	do	30.00
1	Hoke Engraving Plate Co	Supplies	8. 13
	do	Rrass callers ate	8. 22 6. 00
	Barnhart Bros. & Spindler	Supplies	. 79
	do	do	. 89
30	Juo P Church et al	Golomica	8.10
00	W. F. R. Phillips et al	do	2, 524. 50 164. 90
May 2	Buel Chidester	Services	9, 00
	E. F. Ray	Repairing signal lantern	. 50
	Wyckoff Seamans & Repodiet	Kepairing typewriter	. 50 2, 00
	S. A. Barnes & Co	Services and material	59.00
	Wm. McLanghlin	Drayage etc.	1.00
	Thos. F. Seitsinger	Reeving in halyards	2. 00 7. 00
	Light Heat and Manufacturers' Electric	Changing signal lights	7.00
	W. C. Jones	Painting office chairs	14, 50
	do	Painting office chairs	14. 50 25. 00 10. 00

Date.	Name.	Nature of payment.	Total
1898.			
lay 2	Jas. Richardson	Changing signal light	\$19
	Monroe Hill	Repairing telegraph lines	2.
	W. Woodard	Hire boat	3.
	Coo F Hunt	Office expenses	1.
	C F von Herrmann	do	3.
	C. W. Luig	do	1
	D. C. Murphy	do	2.
	Eben H. Emery	Traveling expenses	19
	Geo. B. Ackerman	do	28 10 54 66
	W. H. Scholl	Substation calcula	10
	Pay roll Vickshurg Miss	do	66
	Henry Bolton	Office rent	_ 52
	Chamber of Commerce Building Co	do	75
	Northwestern Telephone Exchange Co	Telephone rent	6
	Alpena Mutual Telegraph Co	do	2
	Michigan Telephone Co	00	2
	Northwestern Tolonhone Evelence Co	do	15
	New York and Pennsylvania Telephone and	do	18
	Jas. Richardson Monroe Hill W. Woodard U. G. Purssell Geo. E. Hunt C. F. von Herrmann C. W. Luig D. C. Murphy Eben H. Emery Geo. B. Ackerman W. H. Scholl Pay roll, Augusta, Ga Pay roll, Vicksburg, Miss Henry Bolton Chamber of Commerce Building Co. Northwestern Telephone Exchange Co Alpena Mutual Telegraph Co Michigan Telephone and Telegraph Co Northwestern Telephone Exchange Co New York and Pennsylvania Telephone and		
	Black Hills Telephone and Telegraph Co	do	21
	United Gas Improvement Co	Gas Oil	10
	New York and Pennsylvania Telephone and Telegraph Co. Black Hills Telephone and Telegraph Co. United Gas Improvement Co. S. A. Blackwell & Co. Merchants' and Manufacturers' Electric Light, Heat and Power Co.	Oll	5
	Merchants' and Manufacturers' Electric	Electric light	5
	Light, Heat, and Power Co. Pioneer Truck Co	Drayage	9
	The Brown, Eager & Hull Co	Mucilage	4
	Pioneer Truck Co The Brown, Eager & Hull Co Robt. Clark Co Friedenweld Co	do	1
	Friedenwald Co	Paper	48
	Pacific Coast Steamship Co	Passenger transportation	10
	Thos. J. Cowry	do	2
	Florida Central and Peninsular R R Co	do	20
	Pennsylvania R. R. Co.	do	4
3	Jno. K. Hooper	Traveling expenses	12 12
	Pioneer Truck Co The Brown, Eager & Hull Co Robt, Clark Co Friedenwald Co Pacific Coast Steamship Co Thos. J. Cowry Alabama and Vicksburg R. R. Co Florida Central and Peninsular R. R. Co Pennsylvania R. R. Co Jno. K. Hooper W. U. Simons Chas, A. Hyle E. B. Richards F. H. Brandenberg E. C. Vose Geo. E. Franklin Jas. Kenealy	do	12
	Chas. A. Hyle	do	28
	E. B. Richards	Office expenses	20
	E. C. Vosa	do	1
	Geo. E. Franklin	do	i
	Jas. Kenealy	do	1
	Pay roll, Chattanooga, Tenn	Substation, services	147
	Salt Lake Towel Supply Co	Towel service	17
	Geo. E. Franklin Jas. Kenealy Pay roll, Chattanooga, Tenn Salt Lake Towel Supply Co O. I. Mairs Knapp Bros M. B. Boone F. D. Day & Co L. Naegele & Sons Geo. M. Thielen	Hauling	17
	M B Boone	Washing towels	8
	F. D. Day & Co	Cleaning clock	i
	L. Naegele & Sons	Printing report	28 28
	Geo. M. Thielen J. H. Bickford	Services	15
	J. H. Bickford	do	18
	D. D. Booze	do	10
	D. D. Booze E. F. Weihe Richmond Chamber of Commerce Galveston Cotton Exchange H. H. Taylor, agent South New England Telephone Co.	Office rent	148
	Galveston Cotton Exchange	do	120
	H. H. Taylor, agent	do	300
	H. H. Taylor, agent South New England Telephone Co Southern Bell Telephone and Telegraph Co Southwestern Telephone and Telegraph Co Brush Electric Light and Power Co	Telephone rent	300
	Southern Bell Telephone and Telegraph Co.	do	.7
	Southwestern Telephone and Telegraph Co.	Tile atwice like hot	12
	do	do Electric right	13 15
	Smith Premier Typewriter Co	Cabinet	25
	Dubuque Cabinetmakers' Association	Stand	5
	Smith Premier Typewriter Co Dubuque Cabinetmakers' Association Galveston Gas Co H. H. Taylor, agent Pacific Transfer Co.	Gas. Services	19 22
	H. H. Taylor, agent	Services	22
	Pacine Transfer Co	Drayage	11
	do do	Kites	20 875
	Chas. H. Johnson	Tray for engine	875 1
	Mackall Bros. & Flemer	Turpentine, etc	22
	Whiteside & Walton	Tallow for printing office	1
	Pacific Transfer Co. J. E. Turton do. Chas. H. Johnson Mackall Bros. & Flemer Whiteside & Walton Geo. F. Muth & Co. M. Du Perow United States Express Co. Nashville, Tellico and Charleston Rwy Co. Louisville and Nashville R. R. Co.	Benzine	4 43
	M. Du Perow	Supplies	43
	United States Express Co	Transportation	49
	NASHVILLE TEHLEGRADA CHARLESTON KWV Co	(10	11

e.	Name.	Nature of payment.	Total.
3.			
4	Louisville and Nashville R. R. Co. Blue Ridge R. R. Co. Great Northern Rwy. Co Macon, Dublin and Savannah Rwy. Co Northeastern R. R. Co W. M. Fulton R. J. Hyatt W. H. Hammon Wm. J. Reed I. M. Cline L. J. Guthrie O. C. Burrows	Transportation	\$2 4 .
	Great Northern Rwy. Co	do	3.
	Macon, Dublin and Savannah Rwy. Co	do	
6	W M Fulton	Office expenses	1.
0	R. J. Hyatt	do	6. 7.
	W. H. Hammon	do	4, 2.
	T M Cline	do	2. 10.
	L. J. Guthrie	Traveling expenses	11.
	L. J. Guthrie O. C. Burrows L. H. Daingerfield Jas. H. Kimball Dora Moyen H. McDermott Mather Manufacturing Co B. L. James E. Monash W. W. Montagne & Co	do	10.
	L. H. Daingerfield	do	8.
	Dora Moven	Washing flags, etc	12. 6.
	H. McDermott	Reeving halyards	2.
	Mather Manufacturing Co	Supplies	10.
	E. Monash	Matches	1. 1.
			7.
	Crotty Bros The J. F. W. Dorman Co. Friedenwald Co. Fredk Springmann	Ink, etc. Fasteners. Wrappers Transportation	6. 87.
	Friedenwald Co	Wrappers	464.
14	Fredk. Springmann	Transportation	26.
18	Downall Nam Vank N. V	Culatation pulprica	46.
10	Fredk. Springmanndo Pay roll, New York, N. Y. Hoke Engraving Plate Co. Standard Oil Co. J. H. Bunnell & Co. Julien P. Friez Henry J. Green. Wyckoff, Seamans & Benedict. Easton & Rupp Rudolph, West & Co. H. Hoffa. Thos. Somerville & Sons W. B. Moses & Sons.	Transportation do : Substation, salaries Stereotype metal Oil for printing office Cells, battery Wind vane. Sling psychrometer Typewriter Boards Screwdrivers, etc	55. 12.
	Standard Oil Co	Oil for printing office	12. . 8.
	J. H. Bunnell & Co	Cells, battery	8.
	Henry J. Green	Sling psychrometer	269. 80.
	Wyckoff, Seamans & Benedict	Typewriter	103.
	Easton & Rupp	Boards	4.
	H Hoffs	Screwdrivers, etc	4. 3.
	Thos. Somerville & Sons	Fittings	2.
	W. B. Moses & Sons J. E. Turton	Garpet.	2. 47.
	J. E. Turton	Boxes	242. 3.
	do Broderick Bros	Rags	14.
	J. T. Harper	Telegraph services	13.
	Jacksonville and St. Johns Bar Telegraph Lines.	do	7.
	Philadelphia, Reading and Pottsville Tele-	do	8.
	graph Co. W. H. Holmes		
	W. H. Holmes	do	6. 12.
	Iowa Telephone Co	do	2.
	Enterprise Telegraph Co	do	2. 5.
	Smithfield Telephone Co	do	5.
	Fort Worth and Denver City Rwy. Co	do	37. 11.
	Southern Bell Telephone and Telegraph Co.	Telephone rent	17. 15.
	Pearl I. Hart	Office rent	15.
	graph Co. W. H. Holmes Little Northern Telegraph Co. Lowa Telephone Co. Enterprise Telegraph Co. Smithfield Telephone Co. Stanton Mutual Telephone Co. Fort Worth and Denver City Rwy. Co. Southern Bell Telephone and Telegraph Co. Pearl I. Hart. C. F. Marvin J. C. Pierce Wm. B. Schlomer Robt. P. Powell Jas. H. Kimball.	Office expenses	7. 2.
	Wm. B. Schlomer	Services	56.
	Robt. P. Powell	do	58.
	Jas, H. Kimball. L. J. Guthrie W. S. Belden L. H. Daingerfield G. H. Noyes do.	do	29. 25.
	W. S. Belden	do	50.
	L. H. Daingerfield	do	50. 59. 18.
	do do	do	18. 34.
	Frank Jermin	do	3.
	do. Frank Jermindo J. C. Turner J. T. Richardson C. O. Ware J. J. Stevenson R. C. Goodrich Jno. R. Robinson C. H. Schaecher Jno Brenner	Delin lite	20. 5.
	J. C. Turner	Keeing kites	5. 4.
	C. O. Ware	do	15.
	J. J. Stevenson	Services and material	2. 1.
	R. U. Goodrich	Repairing river gauge	1. 33.
	C. H. Schaecher	Services and material	5.
	Inc. Duonnes	do	6.
	J no. Drenner		01
	Jno. Brenner Hoke Engraving Plate Co. do J. C. Entwistle Littlefield, Alvord & Co.	Recogting base plates	76. 77.

Date.	Name.	Nature of payment.	Total
1898.			
May 19	Oregon Railroad and Navigation Co	Passenger transportation	\$43 30 8
	Chesapeake and Ohio Rwy. Co	do	30
	Co. Co. Co.	do	8
	Co. Oregon Short Line R. R. Co Pennsylvania Co. Pennsylvania R. R. Co Baltimore and Ohio R. R. Co Wilmington and Weldon R. R. Co. R. M. Hardinge Wm. S. Belden Frank Jermin G. H. Noyes Hector L. Ball J. J. Kelliher E. E. Spencer	do	12
	Pennsylvania Co	do	12
	Pennsylvania R. R. Co	do	10
	Baltimore and Ohio R. R. Co	do	51
	Wilmington and Weldon R. R. Co	do	8
	Wm S Polder	Traveling expenses	29
	Frank Jermin	do	10
	G. H. Noves	do	6
	Hector L. Ball	do	36 27
	J. J. Kelliher	do	27
	E.E. Spencer	do	16
	J. J. Keinner E. E. Spencer Julien P. Frieze Geo. Meier & Co. American Type Founders Codo.	Lithographic ink	12 13
	American Type Founders Co	Printing ink	69
	do	Supplies for printing office	46
	do	do	35 65 3
	Levy & Dreyfus	Telescope	65
	American Type Founters CododoLevy & Dreyfus J. A. BarnesMartin Stielan CoJesse Jackson O. C. Burrows	W 00d	3
	Jassa Jackson	Services	2
	O. C. Burrows	do	25 25 27
	Chas. A. Hyle		27
	Geo. L. Crane Orson Earll C. H. Bushnell T. J. Madden H. F. Babcock A. J. Pollock Geo. Goss C. W. Canfield	Reeling kites	(
	Orson Earli	Services	1
	C. H. Bushnell	Reeling Kites	. 6
	H F Raheaek	do	12
	A. J. Pollock	do	9
	Geo. Goss	do	. 18
	C. W. Canfield	do	. 18
	Jno. Ankenser	do	12
	Tes Cotton	do	. 12
	Roy D. Chapin		27 13
	Thos. Hansen	Services	- 1
	L. A. Judkins	Office expenses	18
	N. B. Conger	do	1
	Carolina Midland Pour Co	Tolograph conviges	. 8
	International Ocean Telegraph Co	do	232
	New England Telephone and Telegraph Co	do	5
	Millbridge and Cherryfield Telegraph Co	:-do	5
	Dakota Central Telephone Line	do	34
	Duluth, Superior and Western Rwy. Co	do	15
20	Por roll Pittsburg Po	Substation calary	13 358
20	Pay roll, Montgomery, Ala	dodo	21
	A. E. Hackett	Office expenses	4
	J. H. McInnes	Services and material	40 33
	C. W. Canfield. Jno. Ankenser Fredk. E. Colby Jas. Cotton Roy D. Chapin Thos. Hansen L. A. Judkins N. B. Conger J. J. McLean Carolina Midland Rwy. Co International Ocean Telegraph Co New England Telephone and Telegraph Co Millbridge and Cherryfield Telegraph Co Dakota Central Telephone Line Duluth, Superior and Western Rwy. Co Cumberland Telephone and Telegraph Co Pay roll, Pittsburg, Pa Pay roll, Montgomery, Ala A. E. Hackett J. H. McInnes Keuffel & Esser J. H. Sanford	do	33
	J. H. Sanford R. F. Williamson W. B. De Witt Da Costa Printing Co. J. F. Foster Clarence O. Ware The Simplex Electric Co Wild & Stevens H. L. Pittock American Type Founders Co.	do	5
	W B DeWitt	do	8
	Da Costa Printing Co.	Printing summaries	38
	J. F. Foster	Cleaning and painting walls	24
	Clarence O. Ware	Reeling kites	.3
21	The Simplex Electric Co	Supplies	50
	Wild & Stevens	Cil saw etc	8
	American Type Founders Co	Supplies	20
	Hoke Engraving Plate Co	Stereotype metal	41
	H. L. Pittock American Type Founders Co. Hoke Engraving Plate Co. J. C. Parker Maurice Joyce Engraving Co. Rudolph; West & Co. do S. B. Johnson W. B. Moses & Sons J. E. Turton	Cardboard	. 5
	Maurice Joyce Engraving Co	Supplies	8
	Kudoiph, West & Co	Anives	1
	S B Johnson	Knives Drawer pulls. Typewriter, etc.	99
	W. B. Moses & Sons	Carpet	165
	J. E. Turton	Kite sticks	27
	do Spahr & Glenn	Kite sticks. Type	125 7
	Spahr & Glenn	Type	7
	Paul DeGraw	Services	$\frac{7}{4}$
	F. J. Rubin. Saml. Bacon.	ACCOING KILCS	16

Date.	Name.	Nature of payment.	Total.
1898.	Arthur Westerdahl. E. Scanlon. J. D. Berry. O. J. Mairs. G. D. Connor. E. H. Rose. E. Drinkwater Fauth & Co. L. H. Jones & Co. Fred Schlueter & Co. Wm. Hilton.	Pooling kites	\$10.50
May 21	E Scaplon	do Reeling Kites	28. 50
	J. D. Berry	do	12.00
	O. J. Mairs	Hauling	5. 25
	G. D. Connor	Services	3.50
	E. H. Rose	do	2.00 5.00
	Fauth & Co	do	3. 75
	L. H. Jones & Co	Recasting rollers	2.70
	Fred Schlueter & Co	Services	55.00
	Wm. Hilton	do	5. 00 27. 5 0
	Maurica Ioyaa Francying Co	Renairing electrotype plates	5.00
	C. C. Randolph	Printing bulletins.	31.00
	North American Telegraph Co	Telegraph services	14.73
	Great Northwestern Telegraph Co. of Canada	do	148. 42
	Wm T Smith	Telephone rent	50. 84 4. 00
	Pay roll Harrishurg Pa	Substation salaries	14.00
	Pay roll, Atlanta, Ga	do	21.00
	T. S. Collins	Office expenses	5.00
	H. B. Boyer.	Traveling expenses	6.75 29.95
	J. M. Sherier	do	13. 95
	New York, New Haven and Hartford R.R.Co.	Passenger transportation	3.50
	Atchison, Topeka and Santa Fe Rwy. Co	do	8. 14 17. 00
	Baltimore and Ohio R. R. Co	do	17.00
	Lehigh Valley R. R. Co	do	'40. 60 9. 70
	Fred Schuleter & Co Wm. Hilton Jno. Moran Maurice Joyce Engraving Co. C. C. Randolph North American Telegraph Co. Great Northwestern Telegraph Co. of Canada O. J. Mairs Wm. T. Smith Pay roll, Harrisburg, Pa Pay roll, Atlanta, Ga T. S. Collins H. B. Boyer R. B. Harkness J. M. Sherier New York, New Haven and Hartford R. E. Co. Atchison, Topeka and Santa Fe Rwy. Co. Baltimore and Ohio R. R. Co. Louisville and Nashville R. R. Co Lehigh Valley R. R. Co Nashville, Chattanooga and St. Louis Rwy. Co. Red River Line	do	4. 24
	Co.		
			1.80
	Cleveland Cincinnati Chicago and St. Louis	do	7.35 3.28
	Rwy. Co.		0.20
	Chicago, Milwaukee and St. Paul Rwy. Co	do	9. 61
	Savannah Florida and Western Pres Co	do	. 72
	Rutland R. R. Co.	do	. 88
	Rome, Watertown and Ogdensburg R. R	do	6.88
	Norfolk and Washington Steamboat Co	do	-10, 03
	Central Varmont P. P. Co	do	2.06
	S. Benjamin	do	1.74 .30
	E. F. Ebinger.	do	.08
	Arkansas Southern R. R. Co	do	. 30
	Star Union Line	do	3. 64
23	Bentley & Gerwig Furniture Co	Desk *	1. 01 15. 00
	Barnhart Bros. & Spindler	Type, etc	5.72
1	American Type Founders Co	Printing ink.	10.35
	Julien P. Frieze.	Supplies	28.50
	Fredk, E. Colby	Reeling kite	31.82 9.00
	Robt. Gamble	do	12.00
	W. W. Hornberger	Services and material	1.00
	E. D. Beattie	Printing crop bulletins	30.00
1	Smith Premier Typewriter Co	Repair to typowriters	12.85
	Schminke & Newman	Repair to printing plant	22.75 5.50 2.15
	Portland Electric Works	Repair to electric motor	2.15
	McCay Engineering Co	Services and material	12.50
	N R Landreth	Erecting kite shelter	1.50 33.50
	Paul DeGraw	Services	20.00
	Carolina Central R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co. do. Savannah, Florida and Western Rwy. Co Rutland R. R. Co Rome, Watertown and Ogdensburg R. R. Norfolk and Washington Steamboat Co. Raleigh and Gaston R. R. Co Central Vermont R. R. Co. S. Benjamin E. F. Ebinger Arkansas Southern R. R. Co Star Union Line Wabash R. R. Bentley & Gerwig Furniture Co Barnhart Bros. & Spindler American Type Founders Co Julien P. Frieze do. Fredk. E. Colby Robt. Gamble W. W. Hornberger E. D. Beattie Union Photo-Engraving Co Smith Premier Typewriter Co Schminke & Newman Portland Electric Works McCay Engineering Co F. J. Hart N. R. Landreth Paul DeGraw L. B. Woolton Jno. K. Hooper	do	7.00
	Jho. K. Hooper	do	55. 00
	Merchants and Miners' Transportation Co	Transportation	59, 00 4, 60
	New Orleans and Northwestern R. R. Co	do	4.07
	St. Louis Southwestern Rwy. Co	do	1.23
	Wilmington and Weldon R. R. Co	do	. 54
	West Virginia Central and Pittsburg Pwy. Co.	do	. 42
	Cleveland, Akron and Columbus R. R. Co	do	. 48
	N. R. Landreth Paul DeGraw L. B. Woolton Jno. K. Hooper Chas. K. Robinson Merchants aud Miners' Transportation Co. New Orleans and Northwestern R. R. Co St. Louis Southwestern Rwy. Co Wilmington and Weldon R. R. Co St. Louis, Keekuk and Northwestern R. R. Co West Virginia Central and Pittsburg Rwy. Co Cleveland, Akron and Columbus R. R. Co. Columbus, Hocking Valley and Toledo Rwy. Co.	do	. 51
	Co. Florida Fast Coast Pwr. Co.	a.	1.0"
1	Florida East Coast Rwy. Co	00	1.85

Date.	Name.	Nature of payment.	Total.
1898.			
May 23	Louis ville, Evans ville and St. Louis Consolidated R. R. Co.	Transportation	\$0.75
	C. H. Mallory & Co	do	. 25 1. 01
	Missouri Pacific R R Co	do	1.44 .18
24	Norfolk and Washington Steamboat Co Kansas City, St. Joseph and Council Bluffs	do	1 99
	Kansas City, St. Joseph and Council Bluffs R. R. Codo .	do	.33
	Hannibal and St. Joseph R. R. Codo	dodo	. 33 4. 29 7. 70
	Oregon Railway and Navigation Co Baltimore and Ohio R. R. Co	do	39. 81 19. 37
26	Baltimore and Ohio Southwestern Rwy. Co. Chesley S. Gough	Office express	19. 37 2. 68 1. 70 2. 30
	Frank Ridgeway	do	2.30 1.50
	W. L. Day Wm. Davis	Traveling expensesdo	31. 40 9. 40 4. 05
	Paul DeGraw	do	6, 50 5, 45
	Central of Georgia Rwy. Co	Passenger transportation	8. 37 7. 50
	Virginia and Truckee R. R. Co Smithfield Telephone Co	Telephone services	21. 00 4. 40
	Corvallis and Eastern R. R. Co	đo	2. 60 12. 40
	phone Co. Central Union Telephone Co	do	5.40
	Fort Worth and Denver City Rwy. Co D. F. Webber	Services	11. 20 4. 25
	Figure Co. Central Union Telephone Co. Fort Worth and Denver City Rwy. Co. D. F. Webber F. E. Boston E. J. Stevens W. H. Childe	do	4. 25 4. 25 4. 25
	U. G. Hutchinson Co	Droplight, etc	4. 25 2. 50 33. 60
	Julien P. Frieze Broadwater Pipin Co	Window shade	2. 00 205. 00
	W. S. Suber Jno. Creswell Alex. Kinghorn J. A. Hamilton	Drayage Recasting rollers Kite shelter	1.00 4.05
	Alex. Kinghorn J. A. Hamilton	Kite shelterdo	20. 50 28. 00
	Win Aris	Services, etc	3.50 1.50
31	Adolph Harr Jno. P. Church et al W. F. R. Phillips	Services, etc. Reeying halyards. Repairing field glass. Salaries, printing office Salaries, climatology.	4. 00 2, 411. 69
June 1.	W. F. R. Phillips Gustav E. Stetchert	Salaries, climatology. Publications. Telegraph rent	170. 20 24. 41
	Gustav E Stetchert. Pacific Telephone and Telegraph Co. Geo. F. Cram Vance Printing Co.	Atlas Printing bulletins	22. 50 35. 00
	Vance Printing Co Eugene Clark	Repairing caligraph	61. 50 8. 00 2. 50
	Kander Frinking Obergene Clark H. A. Brock Alph. Drinkwater E. A. Hyte	do	2.50 2.50 6.00
·			18.00
	Soye (Indian) Jeff. Davis Chas. Boachap Alex. Green	do	6.00 28.50 4.00
			10.00 2.00
	A. B. Meachem Philip Leader Sebastian Lachester	do	2.00 4.00
	Sebastian Lachester. Walter Guy	do	2.00 2.00
	Jerry McCarty. S. S. Collins	Office expenses	4.00 1.50
3	Pay roll, New York, N. Y	Substation, salaries	1. 50 55. 00
	Seattle Hardware Co	Desk, oil stove, etc	. 30 88. 15 35. 00
	Sebastian Lachester Walter Guy Jerry McCarty S. S. Collins G. W. Felger Pay roll, New York, N. Y Fuch & Lange Manufacturing Co Seattle Hardware Co Eimer & Amend W. & L. E. Gurley Kelly Bros. Lumber Co Glinebury & Lovein	Spirit levels	24. 00 8. 40
	Glinebury & Lovin	Lumber Labor and material	20. 00

Date.	Name.	Nature of payment.	Total.
1898.			
ne 3	J. R. Stephens. C. O. Pick Transfer and Storage Co. J. F. Casey Thos. W. Baird. E. F. Junter Herman Borchers. Alph Dripkwater	Repairing kitesheds	\$4.0
	C. O. Pick Transfer and Storage Co	Services	2.5
	Thos W Roird	do Repairing typewriter Whitewash Cleaning rugs Repairing telegraph line	15. 0 15. 0
	E. F. Junter	Whitewash	5. 0
	Herman Borchers	Cleaning rugs	5.0
	Herman Borchers Alph. Drinkwater Hoke Engraving Plate Co M. F. Hayes. E. M. Bowman W. N. Taylor D. Stormont J. S. McCorkle American Type Founders Co do	Cleaning rugs Repairing telegraph line Services Drayage do do olo Case Supplies	1. 2
	M F Haves	Drayage	65. 5
	E. M. Bowman	dodo	1. 2 2. 2
	W. N. Taylor	do	1.5 7.0
	D. Stormont	Oil	7. 0 25. 0
4	American Type Founders Co	Supplies	1.1
-	do	Supplies Supplies, printing office Telegraph servicedo	8. 0
	Chicago, Burlington and Northern R. R. Co. Philadelphia, Reading and Pottsville Tele-	Telegraph service	2. 9
	Philadelphia, Reading and Pottsville Tele-	do	9. 4
	graph Co. Jacksonville and St. Johns Bar Telegraph	40	7 2
	Co	1	1 2
	Carolina Midland Rwy. Co	do	5.8
	Baltimore and Ohio Southwestern Rwy. Co.	Transportation	16.3
	St. Louis and San Francisco R. R. Co	do	2. 2
	Carolina Midland Rwy. Co Baltimore and Ohio Southwestern Rwy. Co. St. Louis and San Francisco R. R. Codododo Tennessee and Ohio River Transportation	do	.9
	Tennessee and Ohio River Transportation	do	1. 4
	Pennsylvania R. R. Co Michigan Central R. R. Co	Passenger transportation	155.3
8	Rufus P. Clark	India lines	9. 5 2. 0
٥	Ruras 1. Clarkdo	India linen	.9
	do	Needles, printing office. Furniture	183.5
	do	do	85. 3
	do	do	77.0
	Rudolph West & Co	Savarys	36. 1 5. 6
	W. C. Newton & Co	Supplies	27. 0
	Williams & Hanks	Grindstone	1.5
	Maurice Joyce Engraving Co	Photo-engravings	29.1
	Woodword & Lothron	Supplies	7.8 2.5
	Southern Rwy, Co	Passenger transportation	46.9
	Adams Express Co	Transportation	276. 1
	United States Express Co	do	307. 2
9	dodododododododow.C. Newton & Cow.C. Newton & Cowilliams & HanksMaurice Joyce Engraving Codowoodward & LothropSouthern Rwy. CoAdams Express CoUnited States Express Cowm. S. BeldenLeon J. Gutheriewm. B. Schlomer	Services	59. 0 62. 0
	Wm. B. Schlomer	do	62. 0
	R. P. Powell	do	52. 0 47. 0
	Leon J. Gutherie. Wm. B. Schlomer R. P. Powell G. Harold Noyes W. T. Blythe R. M. Hardinge W. E. Oliver. Saml. Bacon. Bidthom 6. Purwell	do	47.0
	W. T. Blythe	Office expenses	2.6
	W. E. Oliver	do do	62. 2 9. 7
	Saml. Bacon	Traveling expensesdo Reeling kitesdo	46. 5
			46.5
	Thos. J. Madden Johnson Fisher Geo. F. Muth & Co)UO	33. 0
13	Geo F Muth & Co	do	13. 5 6. 7 9. 3
10	Thos. Summerville & Sons		9.3
	Mackall Bros. & Flemer	Nitric acid	2.6
	Maurice Joyce Engraving Co	Electrotype plates	60. 6
	The Neastyle Co	Tul- oto	7. 1 2. 4
	Rudolph, West & Co	Handles	1. 2
	W. B. Moses & Sons	Furniture	89. 6
	Jas. B. Lambie	Ladder hooks	2.4
	Foston & Rupp	Millinet	5.5
	Thos. Summerville & Sons Mackall Bros. & Flemer. Maurice Joyce Engraving Codo. The Neostyle Co. Rudolph, West & Co. W. B. Moses & Sons. Jas. B. Lambie J. C. Entwistle Easton & Rupp. Nordhoff & Knabe O. C. Burrows J. B. Batie.	Cardboard	102. 0 2. 5
15	O. C. Burrows	Repairing barograph clock Services Reeling kites	58. 0
	J. B. Batie	Reeling kites	36.0
	Paul DeGraw	Services Office expenses Hose	62. 0
16	Melville Lindsay	Umce expenses	3.3
10	W. B. Moses & Sons.	Furniture	79. 5
	J. E. Turton	Kites	125.00
	J. B. Batie Paul DeGraw E. A. Beals Melville Lindsay W. B. Moses & Sons J. E. Turton Broderick Bros Geo. Newton Southern Rwy. Co	Rags, printing office Traveling expenses Passenger transportation	14.0
	Geo. Newton	Traveling expenses	17. 7: 15. 20
		rassenger transportation	15 5

$Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\bf Cont'd}.$

A. L. Osborne. American Bell Telephone Co. American Bell Telephone Co. Chieago, Milwankee and St. Paul Rwy. Co. Transportation 11. Chieago, Milwankee and St. Paul Rwy. Co. do do do do do do do do do					
June 18	Date.	Name.	Nature of payment.	Total.	
June B Payroll, Des Moines Substation, salaries Size June P. Frieze Circling machines 16. Springfield Engraving Co Envelopes 295. A. L. Osborne 295. A. L. Osborne 296. A. L. Osborne 296. Services and material 11. do	1898.				
Springheid Engraving Co		Payroll, Des Moines	Substation, salaries	\$12.20	
Pennsylvania R. R. Co		Julien P. Frieze	Circling machines	16. 25	
Pennsylvania R. R. Co		Springheid Engraving Co	Envelopes	295. 44	
Pennsylvania R. R. Co		American Bell Telephone Co	do	1.30	
Pennsylvania R. R. Co		Chicago, Milwaukee and St. Paul Rwy. Co	Transportation	11.39	
Pennsylvania R. R. Co		do	do	. 99	
Pennsylvania R. R. Co		do	do	8.74	
Pennsylvania R. R. Co		International and Great Northern R. R. Co.	do	7. 11	
Pennsylvania R. R. Co		do	do	1. 22	
Pennsylvania R. R. Co		Nashville, Chattanooga and St. Louis Rwy.	do	. 71	
Pennsylvania R. R. Co		Co		1. 93	
Norfolk and Western Rwy. Co		Pannaylyania P. P. Co	do	. 37	
Ch. Wayland		do	do	. 89	
Ch. Wayland		Norfolk and Western Rwy. Co	do	. 71	
E. G. Robinson Transportation Co		R. R. Co		. 25	
E. G. Robinson Transportation Co	21	C. M. Wayland	Services	7.50	
E. G. Robinson Transportation Co		Chas. K. Robinson	do	7. 50 67. 00	
E. G. Robinson Transportation Co		Frank Jermin	do	43. 00 58. 00	
E. G. Robinson Transportation Co		Jno. K. Hooper	do	53.00	
E. G. Robinson Transportation Co		L. H. Daingerfield	do	57.00	
E. G. Robinson Transportation Co		C. A. Hyle	do	44.00	
E. G. Robinson Transportation Co		J. A. Townsend	Houling	20.00 1.00	
E. G. Robinson Transportation Co		C. W. Canfield	Reeling kites etc	46.50	
E. G. Robinson Transportation Co		H. F. Babcock	do	62. 00	
E. G. Robinson Transportation Co		R. D. Chapin	do	46, 50	
E. G. Robinson Transportation Co		J. W. Alexander	do	46, 50 46, 50	
E. G. Robinson Transportation Co		C. H. Bushnell	do	43. 50	
E. G. Robinson Transportation Co		Arthur Westerdahl	do	46, 50	
E. G. Robinson Transportation Co		H. S. Kiely	do	39.00 37.50	
E. G. Robinson Transportation Co		J. D. Berry	do	46. 50	
E. G. Robinson Transportation Co		D. C. Jones	Services	20, 00	
E. G. Robinson Transportation Co		Mattie Tims	do	6, 00	
E. G. Robinson Transportation Co		J. Gumbinger	do	13.70 3.00	
E. G. Robinson Transportation Co		L. Naegele & Sons.	Printing monthly report	25, 00	
E. G. Robinson Transportation Co		Jeff. Davis	Transportation	6. 75 4. 00	
Hire of team		W. E. Day E. G. Robinson Transportation Co.	do	4.00 7.50	
Brown & Harper Bros Repairing desk 6 J. B. McCandless & Co File case 24 W. R. Prowell Repairing river gauge 7 W. P. Smith Shelving 12 Smith Premier Typewriter Co Repairing 2 A. E. Clarke Service and material 15 W. A. Gahlenbeck do 1 O. R. Kintzel do 7 Hoke Engraving Plate Co Services and supplies 12 do do 7 Hoke Engraving Plate Co Services and supplies 12 do do 1 do Services 50 The Werner Co Maps 1,638 Barnhart Bros. & Spindler Type 3 Lincoln Electric Co Reostat, etc 8 H. J. Green Supplies 39 Geo. Meier do 17 Spring field Envelope Co Envelopes 134 Taylor & Carpenter Letter files 1 Harvey C. Beeson Beeson's Directory 35 New England Telephone and Telegraph Co do 2 Loward Telephone Co of Buffalo do 2 Great Northwestern Telephone Co of Canada do 154 Charleston City Rwy. Co Car tickets 1 F. A Bell Telephone Co of Canada 2 Car tickets 1 Let A bell Telephone Co Car tickets 1 Let A bell Telephone Co Car tickets 1 Car tickets 1 Let A bell Telephone Co Car tickets 2 Car tickets 2 20 20 20 Car tickets 2 Car tickets 3 Car tickets		Geo. Huot	Hire of team	5. 00	
Brown & Harper Bros Repairing desk 6 J. B. McCandless & Co File case 24 W. R. Prowell Repairing river gauge 7 W. P. Smith Shelving 12 Smith Premier Typewriter Co Repairing 2 A. E. Clarke Service and material 15 W. A. Gahlenbeck do 1 O. R. Kintzel do 7 Hoke Engraving Plate Co Services and supplies 12 do do 7 Hoke Engraving Plate Co Services and supplies 12 do do 1 do Services 50 The Werner Co Maps 1,638 Barnhart Bros. & Spindler Type 3 Lincoln Electric Co Reostat, etc 8 H. J. Green Supplies 39 Geo. Meier do 17 Spring field Envelope Co Envelopes 134 Taylor & Carpenter Letter files 1 Harvey C. Beeson Beeson's Directory 35 New England Telephone and Telegraph Co do 2 Loward Telephone Co of Buffalo do 2 Great Northwestern Telephone Co of Canada do 154 Charleston City Rwy. Co Car tickets 1 F. A Bell Telephone Co of Canada 2 Car tickets 1 Let A bell Telephone Co Car tickets 1 Let A bell Telephone Co Car tickets 1 Car tickets 1 Let A bell Telephone Co Car tickets 2 Car tickets 2 20 20 20 Car tickets 2 Car tickets 3 Car tickets		R. E. Lee	Services and inaterial	23.76	
A. E. Clarke		Brown & Harper Bros	Repairing desk	6.00 24.00	
A. E. Clarke Service and material 15.			Renairing river gauge	7.00	
A. E. Clarke		W. P. Smith	Shelving	12.70 2.2 5	
Barnhart Bros. & Spindler		Smith Premier Typewriter Co	Repairing	2. 25	
Barnhart Bros. & Spindler		W. A. Gablenbeck	do	15.00 1.50	
Barnhart Bros. & Spindler		O. R. Kintzel	do	1.50 7.50	
Barnhart Bros. & Spindler		Hoke Engraving Plate Co	Services and supplies	12.00	
Barnhart Bros. & Spindler		do	Compined	13. 50	
H. J. Green		The Werner Co	Mans	1, 638. 75	
H. J. Green		Barnhart Bros. & Spindler	Type	3, 05	
Geo. Meier		Lincoln Electric Co	Reostat, etc	8.00	
Harvey C. Beeson Beeson's Directory 35.		H. J. Green	Supplies	39.50 17.00	
Harvey C. Beeson Beeson's Directory 35.		Springfield Envelope Co	Envelopes	134, 62	
New England Telephone and Telegraph Co		Taylor & Carpenter	Letter files	1.05	
Towa Telephone Co. Co. Co. Co.		Harvey C. Beeson	Beeson's Directory	. 35.00	
Towa Telephone Co. Co. Co. Co.		Bell Telephone Co. of Buffalo	do	$\begin{array}{c} 2.50 \\ 2.20 \end{array}$	
10wa Telephone Co. 0 2. Great Northwestern Telephone Co. of Canada 0 154. Charleston City Rwy. Co. Car tickets 1. F A Bell 22. 22.		New England Telephone and Telegraph Co	do	2. 60	
Charleston City Rwy. Co. Car fickets 1.		Iowa Telephone Co.	do	2.60	
F A Bell 22.		Charleston City Rwy Co.	Car tickets	1.30	
J. C. Gibson Drayage 1. Cue Express Co do 1. J. C. Gibson do 1. M. F. Hayes do 1.		F. A. Bell	Cool	22.50	
Ute Express Co		J. C. Gibson	Drayage	1.00	
M F Haves		Uue Express Co	do	1.50 1.00	
: ALL 1 HA VO		M. F. Haves	do	. 75	

te.	Name.	Nature of payment.	Total.
98.	Pullman Palace Car Co. Chicago and Northwestern Rwy. Co. Chesapeake and Ohio R. R. Co. Delaware, Lackawanna and Western R. R. Co. St. Louis and San Francisco R. R. Co. Chicago Great Western R. R. Co. Louisville and Nashville R. R. Co. Baltimore and Ohio Southwestern Rwy. Co. Henry Pitts. Geo. B. Wurtz. J. W. Baner S. W. Glenn A. J. Mitchell Thos. Gibson J. C. Piercy. David Cuthbertson		
21	Pullman Palace Car Co	Passenger transportation	\$18.
	Chicago and Northwestern Rwy. Co	do	37. 32.
	Chesapeake and Ohio R. R. Co.	do	32.
	Delaware, Lackawanna and Western R. R. Co	00	5.
	Chicago Great Western P. P. Co.	do	12. 5.
	Louisville and Nashville R. R. Co	do	39.
	Baltimore and Ohio Southwestern Rwy, Co.	do	37.
	Henry Pitts	do	1.
	Geo. B. Wurtz	Office expenses	1.
	J. W. Baner	do	1.
	S. W. Glenn	do	1.
	A. J. Mitchell	do	3.
	Thos. Gloson	do	7.
	David Cuthharten	do	2. 2.
	do	Traveling expenses	2.
	N. B. Conger	do	20.
	do	do	20. 6. 6.
	Geo. E. Lawton	do	6.
1	Missouri Pacific Rwy. Co	Transportation	3.
1	Vandalia Line	do	
	Arkansas and Louisiana Rwy	do	
	Pennsylvania R. R. Co.	do	
	Toledo, St. Louis and Kansas City R. R. Co.	do	10
	West Virginia and Dittahung P. P. Co.	do	10.
	Wilmington and Weldon P. P. Co.	do	
	Nashville and Knovville R R Co	do	
- 1	Sayannah, Florida and Western Rwy, Co	do	
22	Paul Huston	Services	5.
13	Alph. Drinkwater	Repairing telegraph lines	2.
	G. W. Richards	Services	5.
	G. W. Twiford	Repairs to office	57.
3	Jno. Anheuser	Reeling kites	46.
	Wyckoff, Seamans & Benedict	Repairing typewriters	25.
	wyskon seamans & Beneutt. Geo. W. Irwin L. Naegele & Sons C. C. Randolph G. W. Twiford Smith Premier Typewriter Co Cowell & Hubbard Co Stuart G. Speir	Repairing typewriters. Services Printing crop bulletinsdo Pump and pipe Repairing caligraph Repairing thermograph Repairing typewriter Repairing clock Repairing meteorograph Telegraph servicesdo	2.
	L. Naegele & Sons	Printing crop bulletins	15.
	C. V. Twiford	Daniel and mine	33. 7.
	Smith Premier Transpritor Co	Popoining coligraph	8.
	Cowell & Hubbard Co	Renairing thermograph	1.
	Stuart G. Speir	Renairing typewriter	5.
	Bernard Ganter	Repairing clock	1.
- 1	Bernard Ganter. Cowell & Hubbard Co. Duluth, Superior and Western Rwy. Co	Repairing meteorograph	2.
	Duluth, Superior and Western Rwy. Co	Telegraph services	2.
		do	10.
	phone Co.		
	phone Co. Central Union Telephone Co F H Clarke	do	5.
	F. H. Clarke	Office expenses	1.
	ray roll, Montgomery, Ala	Substation salaries	42.
	F. H. Clarke Pay roll, Montgomery, Ala J. M. Freer Chicago Auditorium Association	Drayage	7.
	Buxton & Skinner Stationers Co	Ink etc	2.
	R. L. Bryan & Co.	do	2.
	J. M. Freer. Chicago Auditorium Association Buxton & Skinner Stationers Co. R. L. Bryan & Co. Schneider Bros. Mobile and Ohio R. R. Co. Ohio River R. R. Co. Erie R. R. Co. Fremont, Elkhorn and Missouri Valley R. R. Co.	Mirrors.	18.
	Mobile and Ohio R. R. Co	Passenger transportation	16.
	Ohio River R. R. Co	do	8. 15. 5.
	Erie R. R. Co	do	15.
	Fremont, Elkhorn and Missouri Valley	do	5.
	R. R. Co.		
23	Postal Tolograph Cohla Ca	Mala manh a mia	120
40)	do	do de de la companya	130. 5.
	do	do	24.
	Puget Sound Telegraph.Co.	do	73.
	R. R. Co. Brunswick and Western R. R. Co Postal Telegraph Cable Co. do. do. J. C. Entwistle W. B. Moses & Sons. do.	Engraving chart	5.
	W. B. Moses & Sons	Carpets	131.
	do	Linoleum	22.
	do	Carpets. Carpets, etc. Carpet.	41.
	do	Carpets, etc	71.
	do	Carpet	34.
	G F 35-41 6 G	Furniture	121.
94	do. Geo. F. Muth & Co Maurice Joyce Engraving Co J. Baumgarten & Sons do. do.	White lead, etc	1.
24	I Boungarton & Con	Supplies	6,
	do do	Autober stamp	33.
		dv	

174 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total.
1898.	W. P. Marris & Gran	To a second	4405 50
June 24	W. B. Moses & Sons	Furniture	\$487.72 25.00
25	W. B. Moses & Soilsdo. H. H. Curley W. W. N. Keifert E. E. Spencer. Ella W. Daniels A. B. Wollaber Great Northwestern Telegraph Co. of	Office expenses	1. 00
	W. W. Neifert	do	6.00
	E. E. Spencer	do	6.00 10.75
	Ella W. Daniels	do	1.65
	A. B. Wollaber	Traveling expenses	12.50
	Canada.	Telegraph services	158. 35
	Philadelphia, Reading and Pottsville Tele-	do	7.92
	graph Co.		
	Jacksonville and St. Johns Bar Telegraph	do	6. 50
	Co.		
	Co. Smithfield Telephone Co. Chicago, Burlington and Northern R. R. Co. Duluth, South Shore and Atlantic Rwy. Co. Chicago, Burlington and Quincy R. R. Co. Northern Central Rwy. Co. Lehigh Valley R. R. Co. Oregon Short Line R. R. Co. Union Pacific R. R. Co. Malachi Corbet C. A. Watson	do	4.80
	Duluth South Shore and Atlantic Pry Co.	Paggargar transportation	2.57
	Chicago Burlington and Oniney R. R. Co.	do	3.35 7.67
	Northern Central Rwy. Co	do	8. 00
	Lehigh Valley R. R. Co	do	9. 70
	Oregon Short Line R. R. Co	do	32.70 51.01
	Union Pacific R. R. Co	do	51.01
	Malachi Corbet	Hire of horse	2.00
	C. A. Watson Chas. Madison	Services and material	6.00
	R. Hunton	Services etc	5. 00 7. 50
	Paul Decelks.	Reeving halvards	2.00
	F. A. Goulter. H. L. Hoff Fred, Gaither	Services and material Cleaning office Services, etc Reeving halyards Repairing telegraph lines do Repairing typewriter Putting in electric light. Reeling kites, etc Window shades Typewriter Supplies Supplies Gasoline Gasoline	3, 50
	H. L. Hoff	do	5. 25 7. 00
	Fred. Gaither	do	7. 00
	E. H. Sell. P. H. Cheney & Sons	Repairing typewriter	5. 50 30. 00
	Ethelbert Scanlon	Reeling hites	62.00
	Ethelbert Scanlon Patterson Transfer Co	Hauling kites, etc	62. 00 2. 50
	F. E. Warner Mercantile Co	Window shades	2.00
	F. E. Warner Mercantile Co. Wyckoff, Seamans & Benedict. Julien P. Frieze. State Journal Co.	Typewriter	. 103.50
	Julien P. Frieze	Supplies	46.35 5.65
	M. Sabel & Sons.	Gasoline	5, 65
	F. A. Sawyer	Benzine.	. 65
	F. H. Hoard & Co.	Lamps	2. 04 2. 50
	F. H. Hoard & Co. The Bool Co	Letter file	16.00
	Taylor & Carpenter L. Wood	Lamps. Letter file Letterpress stand	10.00
	L. Wood.	Library bookcase, etc	41.00
	R. L. Callison. G. E. Stechert. Jno. P. Church et al. W. T. R. Phillips et al.	Oil	2.00 2.35
	Ino P Church et al	Publications	2, 482. 23
	W. T. R. Phillips et al	Salaries, printing office	164. 90
		3,	
	Total fourth quarter	•••••	46, 031. 16
	Supplemental.		
July 5	W. A. Irwin	Repairs	5. 00
	Sanford Shockley	Services and material	29. 50 328. 6 5
	W. B. Moses & Sons. Mackall Bros. & Flemer.	Carpet, etc. Sponges, etc Kerosene oil Logotypes	50. 26
	G. W. Offritt	Kerosene oil	3, 85
	G. W. Offutt. The J. F. W. Dorman Co. Simmons Hardware Co.	Logotypes	87. 50
	Simmons Hardware Co	Water cooler	8. 50
	Malachi Corbet	Oil	3.00
	A. F. Sims	Office expenses	1. 95 11. 55
	L. A. Welsh	do	1. 25
	J. W. Bauer	do	. 75
6	F. E. Payne	Traveling expenses	. 75 7. 85
	Morton Brown	do	19. 30
	O. J. Mairs	Office expenses	48.00
	A. C. Badcliffe	Omce rent	75. 00 45. 00
	P. D. Johnson	Laure 110	87. 50
	B. D. Johnson	do	
	B. D. Johnson Isaac Bloch B. M. Jacobs	do	15.00
	B. D. Johnson Isaac Bloch B. M. Jacobs Fred Arnold	dodododo	15. 00 75. 00
	B. D. Johnson Isaac Bloch B. M. Jacobs- Fred Arnold F. E. Warren Mercantile Co	do	15. 00 75. 00 91. 90
	B. D. Johnson Isaac Bloch B. M. Jacobs Fred Arnold F. E. Warren Mercantile Co. Chicago Auditorium Association	dodododododododododo	15. 00 75. 00 91. 90 450. 00
	B. D. Johnson Isaac Bloch B. M. Jacobs. Fred Arnold F. E. Warren Mercantile Co Chicago Auditorium Association Maggie French.	do	15. 00 75. 00 91. 90 450. 00
	B. D. Johnson Isaac Bloch B. M. Jacobs. Fred Arnold F. E. Warren Mercantile Co Chicago Auditorium Association Maggie French Union Trust Building Co., Limited	do	15. 00 75. 00 91. 90 450. 00
	The J. F. W. Dorman Co Simmons Hardware Co Malachi Corbet A. F. Sims L. A. Welsh G. T. Todd J. W. Bauer F. E. Payne Morton Brown O. J. Mairs A. C. Radeliffe B. D. Johnson Isaac Bloch B. M. Jacobs Fred Arnold F. E. Warren Mercantile Co Chicago Auditorium Association Maggie French Union Trust Building Co., Limited C. M. Beeson Farmers Bank of Fresno H. W. Styron	do	15. 00 75. 00 91. 90

е.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
3.	m	0.00	401
6	T. M. Jeffris & Co	Office rent	\$81. 250.
	Indianapolis Gas Co	do Ground rent	250. 5.
	Ethelhert Scanlon	D12 7-24	10.
	Ethelbert Scanlon Hoke Engraving Plate Co. Arkansas Democrat Co E. D. Beattie	Recoating plates Recasting rollers Repairing press Services Reeling kites	89.
1	Arkansas Democrat Co	Recasting rollers	4. 30.
	E. D. Beattie	Repairing press	30.
			3.
	G. E. Jackson & Co. J. A. Davis, jr Barnhart Bros. & Spindler R. H. Albury. Hoke Engraving Plate Co. American Type Founders Co. A. M. Davis Co. D. F. Biyly.	Supplies for printing office	28. 8.
- 3	R H Albury	Water cooler	6.
	Hoke Engraving Plate Co	Supplies for printing office Water cooler Supplies do Carpet	68.
	American Type Founders Co	do	16.
3	A. M. Davis Co	Carpet	38. 15.
- 0	O. E. Bixby	Supplies	15.
- 9	New York, New Haven and Hartford R. R. Co	Passenger transportation	2.
	E. G. Robinson Transportation Co	Drayage	1.
7	P MoI aughlin	Office rent	2. 150.
'	Bruce & Jiams	do	90.
	Tyree & Wilkins	do	67.
1	C. M. Boucher.	do	42.
1	Pacific Club	do	67.
	Henry Landes	do	45.
	Pearl I. Hart	do	15.
	A. M. Davis Co. O. E. Bixby. New York, New Haven and Hartford R. R. Co E. G. Robinson Transportation Co. Chas. Stout. R. McLaughlin Bruce & Hams Tyree & Wilkins C. M. Boucher. Pacific Club Henry Landes Pearl I. Hart Jos. Swift and Wm. H. Swift. Merrill Bliss & Co. Asher Marks, administrator Paine Bros Edgar Harding Ella W. Daniels A. C. Radcliffe. A. J. Knight J. H. Hutt, agent	do	·75.
- 1	A sher Marks administrator	do	25. 77.
- 1	Paine Bros	do	73.
1	Edgar Harding	do	87.
	Ella W. Daniels	do	75.
	A. C. Radcliffe	do	75.
- 1	A. J. Knight	do	79.
i	J. H. Hunt, agent	They aling avpance	87. 7.
1	Warland Railay	do	5.
- 1	A. J. Knight J. H. Hunt, agent J. J. O'Donnell Wayland Bailey H. W. Clough I. M. Cline J. P. Slaughter L. M. Pindell Mary C. Ward Louis Prior Altie M. Adie	do	20.
	I. M. Cline	do	5.
1	J. P. Slaughter	Office expenses	
	L. M. Pindell	do	2.
	Mary C. Ward	Services	15.
1	Altie M. Adie	do	9. 19.
1	P. Murray	Cleaning office	5.
- 1	Altie M. Adie P. Murray. F. C. Nunemacher Jas. Rurane Painting Co J. B. Flora & Co. Geo. Meier & Co. Grant Rivenburg Julien P. Frieze Travers Bros. Co. Raybour Bros. Co. Raybour Bros. Co.	Repairing electrotypes	1.
1	Jas. Rurane Painting Co	Renovating office	85.
	J. B. Flora & Co	Oil	5.
	Geo. Meier & Co	Supplies	6.
1	Tulian D Friego	Cumplies	27. 9.
	Travers Bros Co	Plocking cord	21.
	Barbour Bros. Co.	do Cleaning office. Repairing electrotypes Renovating office Oil Supplies Ice Supplies Blocking cord	27.
	Peter Gray W. B. Moses & Sonsdo	Lanterns	40.
	W. B. Moses & Sons	Furniture	243. 150.
	do	do	150.
1	Wm. Ballantyne & Sons Fred A. Schmidt Jno. C. Parker J. E. Turton	Book	1.
	Ino C Parker	Lithograph copying paper Paper, etc Kite sticks	8.
	J. E. Turton	Kite sticks	125. 8.
	do	do	8.
	M. W. Morrow, postmaster	Post-office box rent	2.
1	Seth Graham & Son	Drayage Publications	1.
	Coo F Muth & Co	Publications Lanterns	5. 22.
	W R Magas & Sone	Eurniture	183.
8	do. M. W. Morrow, postmaster Seth Graham & Son National Railway Publication Co Geo. F. Muth & Co W. B. Moses & Sons Western Union Telegraph Co H. W. Grasse	Furniture Telegraph service Office expenses	12, 252.
9	H. W. Grasse	Office expenses	4.
+	1. M. CHIE.	do	4. 8.
	E. R. Demain	(10	4.
	T. B. Catron	Office rent	105.
,	Western Union Tolograph Co	Tolograph convice	90. 11, 532.
16	Beverly Hudnell	Cleaning weather man	11, 532.
10	Jos. A. Smith. Western Union Telegraph Co. Beverly Hudnell W. B. Moses & Sons Southern Pacific Co R. M. Hardinge David Cuthbartson	Desk, etc	65.
	Southern Pacific Co	Passenger transportation	10.
19		000	2.

176 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued. E. H. Nimmo Wm. S. Belden J. H. Kimball L. J. Guthrie L. H. Daingerfield O. C. Burrows Paul De Graw J. K. Hooper G. H. Noyes Wm. B. Schlomer R. P. Powell Chas. A. Hyle J. J. O'Donnell J. W. Smith Jno. Grover Geo. H. Hagen. D. P. McCallum C. F. R. Wappenhaus F. M. Brown & Co Walla Walla Lodge, No. 56, I. O. O. F Ed. S. Hughes & Co Guaranty Building Co E. H. Jamieson P. H. Swearingen Northwestern Mutual Life Insurance Co Kate F. Coke Bank and Insurance Building Co B. S. Williams L. Mirelaz Jos. Gussenhoven Continental National Bank Albert Marty M. E. Conway Colley & Wright Wm. Chandler Portland Trust Co. of Oregon Luke & Smith Geo. Bergen Henry F. Babcock Jno. D. Berry Jno. Batey Bickham Burwell Roy D. Chapin Alex. J. Pollock Samuel Bacon Jno. Anhenser C. A. Bushnell Frank Jermin. Corpus Christi Electric Co Lindianapolis Light and Power Co		
1898.	W 77 371	0.00	
ıly 19	E. H. Nimmo	Office expenses	\$0 62 46
	Wm. S. Belden	Services	62
	J. H. Kimball.	do	46
	L. J. Guthrie	do	60
	O. C. Rurrows	do	43 60
	Paul De Graw	do	60
	J. K. Hooper	do	55
	G. H. Noves	do	60
	Wm. B. Schlomer	do	55
	R. P. Powell	do	55 60
	Chas. A. Hyle	do	65
	J. J. O'Donnell	Office expenses	1 2
	J. W. Smith	do	11
	Jno. Grover	do	1
	Geo. H. Hagen	do	2
- 1	O.F. D. Warnenhaue	do	2
	E. M. Prown & Co.	Office went	100
	Walla Walla Lodge, No. 56 I O O F	do	79
	Ed. S. Hughes & Co	do	106
	Guaranty Building Co	do	125
	E. H. Jamieson	do	120
	P. H. Swearingen	do	48
	Northwestern Mutual Life Insurance Co	do	75
	Kate F. Coke	do	60
1	Bank and Insurance Building Co	do	90
	B. S. Williams	do	55
	L. Mirelaz	do	60
	Continental National Dank		120 150
	Albort Morty	do	165
Y	M E Copway	do	37
N.	Colley & Wright	do	78
1	Wm. Chandler	do	84
)	Portland Trust Co. of Oregon	do	210
	Luke & Smith	do	52
1	Geo. Bergen	Rent of ground	6
	Henry F. Babcock	Reeling kites, etc	60
1	Jno. D. Berry	do	45
1	Jno. Batey	00	45
1	Por D Chapin	do	45
Ĭ	Alex J Pollock	do	45 45
1	Samuel Bacon	do	45
	Jno. Anhenser	do	43
į	C. A. Bushnell	do	45
1	Frank Jermin	Services	56 6
	Corpus Christi Electric Co	Electric light	6
	Indianapolis Light and Power Co	do	18
	C.A. Businier Frank Jermin Corpus Christi Electric Co Indianapolis Light and Power Co Ludington Electric Light and Power Co	do	5 2 4
	Coo P Howard	Drayage	2
	New Orleans Stancil Works	Stamp	4
	I. Naegele & Sons	Printing reports	25
	Jacob Weltiner	Ink	5
	W. H. Goebel	Kerosene oil	5 1
	Jno. Longstaff	Printing reports	27
	Iowa Telephone Co	Telephone service	69
1	North American Telegraph Co	Telegraph service	- 14
	Duluth, Superior and Western Rwy. Co	do	2
1	Iowa Telephone Co	do	2
1	Fort Worth and Denver City Rwy. Co	do	10. 7.
	Ludington Electric Light and Power Co. C. M. Leedy Geo. P. Howard New Orleans Stencil Works L. Naegele & Sons Jacob Weltiner W. H. Goebel Jno. Longstaff Lowa Telephone Co. North American Telegraph Co. Duluth, Superior and Western Rwy. Co. Lowa Telephone Co. Fort Worth and Denver City Rwy. Co. Alabama, Mississippi and Tennessee Telephone Co.	00	7
20	International Ocean Telegraph Co	do	193
20	New England Telephone and Telegraph Co	do	111.
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	2.
	Missouri Pacific Rwy. Co	do	2. 22.
	Boston and Albany R. R. Co	do	3.
1	Pennsylvania R. R. Co.	do	9.
	phone Co. International Ocean Telegraph Co. New England Telephone and Telegraph Co. Chicago, Milwaukee and St. Paul Rwy. Co. Missouri Pacific Rwy. Co. Boston and Albany R. R. Co. Pennsylvania R. R. Co. Yazoo and Missisippi Valley R. R. Co. Wabash R. R. Co. Cleveland Clincinnati, Chicago and St. Louis Rwy. Co.	do	16.
	Wabash R. R. Co	do	9
	Cleveland, Cincinnati, Chicago and St. Louis Rwv. Co.	do	9.
- 1			

1898. uly 20	Supplemental—Continued.		
1898. uly 20	**		
uly 20	TO 11 37 TV 1 37 TV		
	Pay roll, New York, N. Y Pay roll, Jacksonville, Fla Pay roll, Baltimore, Md Pay roll, Boston, Mass Kate E. Reynolds L. R. Christhilf C. A. Blemmer P. C. Shaw Knight & Rosenkrans S. S. Kelley Nashville Laundry Co Hoke Engraving Plate Co do Clas. E. Sterrs, jr Virginia Electric Co. Consumers' Electric Light and Street R. R. Co.	Substation salaries	\$55. 70.
	Pay roll Baltimore Md	do -	45.
	Pay roll, Boston, Mass.	do	45. 530.
	Kate E. Reynolds	Services	15.
	L. R. Christhilf	do	15. 15.
	C. A. Blemmer	do	15.
	P. C. Shaw	Towel service	6 1.
	S S Kallay	do	3.
	Nashville Laundry Co	do	1.
	Hoke Engraving Plate Co	Recoating plates	87.
	do	do	20.
	Chas. E. Sterrs, jr	Laying carpet	5.
	Virginia Electric Co	Electric light	4.
	Co	(10	5.
	Merchants and Manufacturers' Electric	do ·	5.
	Merchants and Manufacturers' Electric Light, Heat, and Power Co.		0.
	H. L. Pittock	do	18.
	D. Appleton & Co	Publications	$\frac{1}{2}$.
	San Antonio Ice Co	Ice	2.
	U H Prower	Post-office box rent	2.
	Jno W Graham & Co	Oil	1
	Hoke Engraving Plate Co	Plates	1. 80. 75.
	The Freidenwald Co	Manila wrappers	75.
	American Type Founders' Co	Supplies for printing office	3.
	Santa Fe Electric Telephone Co	Telephone services	0,
	Light, Heat, and Power Co. Light, Pittock. D. Appleton & Co. San Antonio Ice Co. Isador Sobel. W. H. Brown Jno. W. Graham & Co. Hoke Engraving Plate Co. The Freidenwald Co. American Type Founders' Co. Santa Fe Electric Telephone Co. Island Telephone and Telegraph Co. New York and Pennsylvania Telephone and Telegraph Co. Southern States Telephone Co. Southern Bell Telephone and Telegraph Co. Conthern Bell Telephone and Telegraph Co. Counthia Telephone Co. Southern Bell Telephone and Telegraph Co. Columbia Telephone Co. R. L. Lewis. J. H. Robinson H. D. & F. H. Irish H. Overholser Salt Lake Board of Trade. Geo. S. Waite. Catherine Wilson Cone & Kimball Co. Geo. E. Shaw A. P. Eagleston Sunset Telephone and Telegraph Co. Canyon City Telephone Co. Southern Bell Telephone and Telegraph Co. do. Given Canyon City Telephone Co. Southern Bell Telephone and Telegraph Co. Go. Co. Co. Co. City and Suburban Telegraph Association Cumberland Telephone and Telegraph Co. Southern Bell Telephone Co. Southern Bell Telephone Co. Southern Bell Telephone Co. Neshville, Chattanooga and St. Louis R. R. Co. W. H. Kistler.	do	18.
	Tolograph Co	(10	9.
	Southern States Telephone Co	do	7.
	Southern Bell Telephone and Telegraph Co.	do	7
	Central Union Telephone Co	do	7. 39
	Southern Bell Telephone and Telegraph Co.	do	5
	Columbia Telephone Co	do	10
	K. L. Lewis	Traveling avrences	15.
21	H. D. & F. H. Irish	Office rent	45 54
	H. Overholser	do	117.
	Salt Lake Board of Trade	do	100.
	Geo. S. Waite	do	101. 140.
	Catherine Wilson	do	140.
	Coo F Show	do	99.
	A. P. Eagleston	do	70. 65.
	Sunset Telephone and Telegraph Co	Telephone services	6.
	Canyon City Telephone Co	đo	6.
	Southern Bell Telephone and Telegraph Co	do	6. 10.
	City and Cubumban Talesanh Association	do	15.
	Cumberland Telephone and Telegraph Co.	do	25. 9.
	Missouri and Kansas Telephone Co	do	18
	Southern Bell Telephone and Telegraph Co	do	18.
	Empire State Telephone and Telegraph Co	do	25.
	South New England Telephone Co	do	31.
	Pennsylvania Telephone Co	do	31. 21. 18.
	Co. Co.	Passenger transportation	18.
	W. H. Kistler	Ink	4.
	Jno. Partridge	Ink	4
	Jas. M. Vance & Co	Water cooler	9
	Jos. L. Shoemaker & Co	Furniture	22
	Jas. M. Vance & Co. Jos. L. Shoemaker & Co. E. D. Trymby Columbia Tent and Awning Co.	Furniture, etc	40.
	W. A. Ranney	Recesting rollers	10.
	Kate Collins	Services	3. 9. 9.
	Laura Johnson	do	9
	Jas. Evans	do	9
	Richd. Titus	do	12 12 9
	Aaron Sargent	do	12.
	C. K. Robinson	do	9.
	Laurel Laundry	Washing towals ato	04,
	Jno. Partridge. Jas. M. Vance & Co. Jos. L. Shoemaker & Co. E. D. Trymby Columbia Tent and Awning Co. W. A. Ranney. Kate Collins Laura Johnson Jas. Evans. Richd. Titus. Aaron Sargent. Ella Beahan C. K. Robinson Laurel Laundry A. A. Day Combs & Sess.	Renairing telegraph line	1.
	Combs & Sess	Services	7.

178 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	Supplemental—Continued.		
July 21	Davenport Furniture and Carpet Co. E. N. Bartlett Jno. Makree	Repairs to instrument stands Repairs to typewriter Cleaning office do Cleaning carpets, etc Repairs to river gauge.	\$4.0 4.0
	Jno. Makree	Cleaning office	4.5
	Hattie Carpenter. F. I. Marsh J. G. Fox.	Cleaning carnets, etc.	12.0 11.0
	J. G. Fox	Repairs to river gauge	4. 5
	Geo. L. Crane Henry S. Kiely. C. W. Crawford Johnson Fisher Jno. Colander Arthur Westerdahl F. A. Roals	Reeling kites	45. 0 45. 0
	Henry S. Kiely	do	45.0
	Johnson Fisher	do	45. 0 45. 0
	Jno. Colander	Services	6.0
	Arthur Westerdahl	Reeling kites	45. 0
	E. A. Beals	Office expenses	4. 5
	J. W. Byram	do	1. 1
	F. P. Chaffee	do	. 6
	H. C. Bates	do	3. (
	L. M. Tarr	do	1. (
	N G Pursell	do	1. 5
	Chas. Davis	do	1. 8
	L. N. Jasunofsky	do	1. 1
	N. B. Conger	do	1.
	C. P. Cronk	do	1.
	T. B. Jennings.	do	1. 3. 3. 4. 1
	G. N. Wilson	do	
	W. H. Fallon	do	1. 5
	W.M. Dudley Geo Reader		1. (1. §
	C. F. Von Herrmann	do	4.
	E. E. Spencer	do	3.8
	W. T. Blythe	do	9. (
	N. F. Heakoft	do	
	A. G. Davis	do	2. 8
	N. B. Conger	Traveling expenses	22. 0
	Pay roll, Portland, Oreg	Substation salaries	75. 0
22	International Ocean Telegraph Co	Traveling expenses	31. 3 165. 6
22	Carolina Midland R. R. Co	do	5. (
	Ohio River Telegraph Line	do	5. (7. 2
	Bell Telegraph Co. of Buffalo	do	
	Rell Telegraph Co. of Philadelphia	do	12. 5 30. 0
	Chicago Telephone Co.	do	31. 2
	Michigan Telephone Co	do	31. 2 8. 5
	Cleveland Telephone Co	do	18.0
	Cairo Telephone Co	00	15. (
	Missouri and Kansas Telephone Co	do	18. 0
	Ohio Valley Telephone Co.	do	5. (18. (18. (
	Wisconsin Telephone Co	do	3. 7 18. 0
	Johnson Fisher. Jno. Colander. Arthur Westerdahl E. A. Beals. Geo. E. Hunt J. W. Byram F. P. Chaffee H. C. Bates. L. M. Tarr R. L. Anderson N. G. Pursell Chas. Davis L. N. Jasunofsky N. B. Conger F. L. Johnson C. P. Cronk T. B. Jennings. G. N. Wilson W. H. Fallon W. M. Dudley Geo. Reeder C. F. Von Herrmann E. E. Spencer W. T. Blythe G. N. Salisbury N. E. Hackett A. G. Davis N. B. Conger F. J. Jandolph International Ocean Telegraph Co. Carolina Midland R. R. Co. Ohio River Telegraph Line Bell Telegraph Co. of Bulfalo do Bell Telegraph Co. of Philadelphia Chicago Telephone Co. Michigan Telephone Co. Michigan Telephone Co. Michigan Telephone Co. Michigan Telephone Co. Missouri and Kansas Telephone Co. Ohio Valley Telephone Co. Cario Telephone Co. Misconsin Telephone Co. Misconsin Telephone Co. Misconsin Telephone Co. Ohio Valley Telephone Co. Ourthwestern Telephone and Telegraph Co. Raleigh Telephone Exchange La Crosse Telephone Co. Caleigh Telephone Co. Ourthern I ell Telephone Association Home Telephone Co. Ourthwestern Telephone Exchange Society of Savings in Cleveland, Ohio Lorenzo Littlefield N. D. Lane H. O. Frankenfield E. C. Thompson Michigan Central R. R. Co. Chas. C. Hayman Hwaco Railway and Navigation Co Driscol Bros. Co. Michigan Telephone Co.	do	7.5
	Cumberland Telephone and Telegraph Co	do	7. 5 23. 8
	Southern Bell Telephone and Telegraph Co.	do	20.0
	Central District and Printing Telegraph Co.	do	34. 2
	Rateign Telephone Exchange	do	10. 0 16. 2
	Southern tell Telephone and Telegraph Co	do	15.0
	Michigan Telephone Co	do	9.0
	Home Telephone Co	do	10. 0 6. 0
	Iowa Telephone Co	do	6.0
	Northwestern Telephone Exchange	do	9.0
	Society of Savings in Cleveland, Ohio	Office rent	285.0
	N 1) Lane	Office expenses	64.9 1.0
	H. O. Frankenfield	do	2. 5
	E. C. Thompson	do	1. 2 7. 7 7. 5
	Michigan Central R. R. Co	Passenger transportation	7. 7
	Chas. C. Hayman	Services	7.5
			. 0
	Driscol Bros. Co	'File case (making)	10. 0 6. 0 18. 0

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued. Myers Manufacturing Co. American Type Founders Co. Silver State Towel Supply Co. American Toilet Supply Co. J. F. Beck. F. W. Schoppenharst. Anna Faris. Salt Lake Towel Supply Co. W. W. McCollough Frank Golart, jr. W. H. Renear. Wm. H. H. Smith. Arctic Lee Co. Peter Even. Consumers' Ice Co. Knickerbocker Ice Co. Guaranty Building Co. Consolidated Gas Co. Nashville Gaslight Co. United Gas Improvement Co. Citizens' General Electric Co. Lincoln Traction Co. W. H. H. Smith. Fulton Traction Co. W. H. H. Smith. Fulton Transfer Co. Robt. Bonson. Gick & Sayles. Geo. A. Loveland. James J. Gray J. P. Bolton. Robt. G. Allen. Marsden Wright. F. H. Brandenburg. J. B. Marbury. H. B. Boyer. Orin Parker. W. L. Day. Dakota Central Telegraph Line. Anson and Friendship Telephone Line. New York and Pennsylvania Telephone and Telegraph Co. Chesapeake and Potomac Telephone Co. Delaware and Atlantic Telephone Co. Delaware and Atlantic Telephone Co. Delaware and Atlantic Telephone and Tele-		
1898. ly 22	Myers Manufacturing Co	Repairs to typewriter	\$6.
1.y 22	American Type Founders Co	Services	1.
	Silver State Towel Supply Co	Washing towels	1. 2. 2.
	American Toilet Supply Co	do	2.5
	J. F. Beck	do	3.
	F. W. Schoppenharst	do	6.
	Anna Faris		5.
	W. W. McCollough	Erection of vivor garges	1. : 147.
	Frank Colort in	Reneirs to telegraph lines	2.
	W H Renear	do	15.
	Wm H. H. Smith	do	8.
	Arctic Ice Co	Ice	3.
	Peter Even	do	2.
	Consumers' Ice Co	do	3.
	Knickerbocker Ice Co	do	2.
	Guaranty Building Co	Electric current	9.0
	Consolidated Gas Co	Gas	12.
	Nashville Gaslight Co	do	7.
	United Gas Improvement Co	Til	11.
	Minneagte International Electric Co	Electric current	15.
	Citizans' Conoral Floatric Co	do	22.
	Excelsion Flactric Co	do	
	Lincoln Traction Co.	do	13.
	W. H. H. Smith	Drayage	1.
	Fulton Transfer Co	do	· 1. 5.
	Robt. Bonson	Rent of ground	7.
	Gick & Sayles	Cleaning office	7.
25	Geo. A. Loveland	Office expenses	10.
	James J. Gray	do	7.
	J. P. Bolton.	do	44.
	Robt. G. Allen	do	1.
	Marsden Wright	do	3.
	I. B. Manhamy	00	3. 1 2. 2. 2.
	H B Povor	do	10.
	Orin Parker	do	5.
	W. L. Day	do	0.
	Dakota Central Telegraph Line.	Telegraph services	49.
	Anson and Friendship Telephone Line	do	1.
	New York Telephone Co	Telephone services	60.
	New York and Pennsylvania Telephone and,	do	21.
	Telegraph Co.		
	Chesapeake and Potomac Telephone Co Delaware and Atlantic Telephone and Tele-	do	33.
	Delaware and Atlantic Telephone and Tele-	do	12.
	graph Co.	3-	1.0
	Support Telephone and Telephone Co	d0	10.
	Nebraska Telephone Co	do	6. 15.
	Southern Bell Telephone and Telegraph Co	do	5.
	Galveston Cotton Exchange Co	Office rent	111
	First National Bank of Moorhead.	do	111. 66.
	Delaware and Atlantic Telephone and Telegraph Co. Eastern Tennessee Telephone Co. Sunset Telephone and Telegraph Co. Nebraska Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Galveston Cotton Exchange Co. First National Bank of Moorhead. G. H. Miller, guardian. Chamber of Commerce Building Co. Margt. Parmentier D. Horton. Peun Mutual Life Insurance Co. R. A. Dodson, executor R. H. Buhne et al. Fanny L. Keating. Tacoma Chamber of Commerce and Board of Trade.	do	105.
	Chamber of Commerce Building Co	do	75.
	Margt. Parmentier	do	75.
	D. Horton	do	90.
	Penn Mutual Life Insurance Co	do	81.
	R. A. Dodson, executor	do	131. 83.
	R. H. Buhne et al	do	83.
	Taken Chember of Commenced Develop	do	90.
	Trade.	do	60.
		do	34.
	Real Estate and Law Ruilding Co		
	Real Estate and Law Building Co	do	154
	Real Estate and Law Building Co	do	154.
	Real Estate and Law Building Co	do do do	154. 67.
	Real Estate and Law Building Co	do do do	154. 67. 67.
	Real Estate and Law Building Co	do do do do Substations salaries	154. 67. 67. 125.
	Real Estate and Law Building Co Isaac Eberly P. Laveaga, treasurerdo Jno. L. & Wm. L. McCaque. Pay roll, Wilmington, N. C. G. H. Kitchens	do do do do do Substations, salaries	154. 67. 67. 125. 106.
	Real Estate and Law Building Co Isaac Eberly. P. Laveaga, treasurerdo Jno. L. & Wm. L. McCaque Pay roll, Wilmington, N. C. G. H. Kitchens Louisville and Nashville R. R. Co	do do do do Substations, salaries Services Passenger transportation	154. 67. 67. 125. 106.
	Real Estate and Law Building Co Isaac Eberly P. Laveaga, treasurerdo Jno. L. & Wm. L. McCaque Pay roll, Wilmington, N. C. G. H. Kitchens Louisville and Nashville R. R. Co Williams & Hanks	do do do do Substations, salaries Services Passenger transportation Services and material	154. 67. 67. 125. 106. 12. 22.
	Real Estate and Law Building Co- Isaac Eberly P. Laveaga, treasurer do Jno. L. & Wm. L. McCaque Pay roll, Wilmington, N. C G. H. Kitchens Louisville and Nashville R. R. Co Williams & Hanks Frank H. Willer	do do do do do substations, salaries Services Passenger transportation Services and material	154. 67. 67. 125. 106. 12. 22. 5.
	Real Estate and Law Building Co Isaac Eberly. P. Laveaga, treasurerdo. Jno. L. & Wm. L. McCaque Pay roll, Wilmington, N. C. G. H. Kitchens. Louisville and Nashville R. R. Co. Williams & Hanks. Frank H. Willer. D. L. Goble	do do do do Substations, salaries Services Passenger transportation Services and material do Labor on printing press	154. 67. 67. 125. 106. 12. 22. 5. 20.
	Trade. Real Estate and Law Building Co. Isaac Eberly P. Laveaga, treasurerdo Jno. L. & Wm. L. McCaque Pay roll, Wilmington, N. C G. H. Kitchens Louisville and Nashville R. R. Co. Williams & Hanks Frank H. Willer D. L. Gobledo Wm. McKillip Russell Wheel and Foundry Co.	do do do do Substations, salaries Services Passenger transportation Services and material do Labor on printing press	154. 67. 67. 125. 106. 12. 22. 5.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		,
1898.	Delta Diela	g*	4.0
Tuly 25	Robt, Rinkle	Services	\$9
	E. F. Bauscher D. C. Cross Kanass Farmer Co Washburn & Moen Manufacturing Co	do Towel service Printing bulletin Telegraph wire Mucilage Lumber Gas	18
	Kansas Farmer Co	Printing bulletin	$\frac{1}{30}$
	Washburn & Moen Manufacturing Co	Telegraph wire	85
	Whitah & Shuah	Mucilage	00
	W. P. Mills	Lumber	43
	Raleigh Gas Co	Gas	9
	Raleigh Gas Co E. M. Bowman Brush Electrical Co., of Baltimore. Cumberland Electric Light and Power Co Jno. J. Philbrick Mobile Light and Railroad Co J. P. Kee D. L. Goble. Armstrong Furniture Co Charles Carter	Drayage Electric currentdo	2
	Grand Electrical Co., of Baltimore	Electric current	15
	Ino I Philbrial:	dodododo Repairing river gauge Repairing motor Water cooler stand Cleaning Weather Bureau maps Transportation Office expenses Substation, salaries do	15 1
	Mobile Light and Railroad Co	do	,
	J. P. Kee	Repairing river gauge	9
	D. L. Goble.	Repairing motor	ě
	Armstrong Furniture Co	Water cooler stand	1
28	Charles Carter	Cleaning Weather Bureau maps	(
29	Fredk. Springmann	Transportation	52
30	P. Connor	Office expenses	7 42
ug. 1	Pay roll, New Orleans, Le	Substation, sataries	52
	Armstrong Furniture Co Charles Carter Fredk. Springmann P. Connor Pay roll, Atlanta, Ga Pay roll, New Orleans, La Pay roll, Chicago, Ill Pay roll, Portland, Me Danl. Duffey E. F. Weihe L. Rogers Al Brand. Lewis Dorman Pay roll, Columbus, Ohio Pay roll, Marnishirg, Pa Pay roll, Minneapolis, Minn Pay roll, Minneapolis, Minn Pay roll, Minneapolis, Minn Pay roll, Augusta, Me Pay roll, Augusta, Me Pay roll, Pittsburg, Pa Pay roll, Pittsburg, Pa Pay roll, Pittsburg, Pa Pay roll, Pittsburg, Pa E. Biondi	do	90
	Pay roll, Chicago, Ill	do	1, 095
	Pay roll, Pensacola, Fla	do	36
	Pay roll, Portland, Mo	do	60
	Danl. Duffey	Services	12
	E. F. Weihe	do	18
	A. Rogers	000000000000000000000000000000000000000	30
	Lawis Dorman	Traveling expenses	2
2	Pay roll, Columbus, Obio	Substation salaries	253
-	Pay roll, Harrisburg, Pa.	do	42
	Pay roll, Minneapolis, Minn	do	339
	Pay roll, Portland, Oreg	do	57
	Pay roll, St. Louis, Mo.	do	170 136
	Pay roll, Augusta, Me	do	136
	F Piondi	Conviosa	308
	C A Bargman	do	35
	R. E. Daily	Renovating office	52
	Hammersmith Engraving Co	Electrotype plates	
	California Ink Co	Ink	1
	Citizens' Telephone Co	Telephone services	. 6
	W. M. Wilson	Office expenses	0.77
3	Pay roll, Mansas City, Mo	Substation, salaries	272 60
	Pay roll Louisville Ky	do	279
	Pay roll, Parkersburg, W. Va	do	272 173
	Pay roll, Montgomery, Ala	do	100
	Pay roll, Indianapolis, Ind	do	174
	Wm, A. Johnson	Services	30
5	Pay roll, Cleveland, Ohio	Substation, salaries	75
	Pay roll Wilmington M C	do	18
	Pay roll Chicago Ill	do	72 395 49
	Pay roll, Nashville, Tenn	do	49
	Pay roll, Montgomery, Ala	do	43
	Pay roll, Mobile, Ala	do	8.
	Pay roll, Cairo, Ill	do	133 90
	Pay roll, Buffalo, N. Y.	do	90
	Pay roll New Hayen Conn	do	103
	Zetta Higgins	Services	30
	Ed. Kendall	do	28
	Jno S. Barney	do	22
	W. T. Turbeville	do	. 15
	E.J. Gifford	do	28 25
	H. L. Holden	do	25
	J. D. B00Ze	do	1 15
	J. W. Branan	do	16
	Southwestern Telegraph and Telephone Co.	Telephone rent	15
	H. B. Wren	Traveling expenses	1
	M. B. De Vane	Office expenses	
	Pay roll, Augusta, Me. Pay roll, Augusta, Me. Pay roll, Pittsburg, Pa E. Biondi C. A. Bergman R. E. Dafly Hammersmith Engraving Co California Ink Co California Ink Co Citizens' Telephone Co W. M. Wilson Pay roll, Kansas City, Mo Pay roll, Kansas City, Mo Pay roll, Charleston, S. C Pay roll, Parkersburg, W. Va Pay roll, Parkersburg, W. Va Pay roll, Indianapolis, Ind Wm. A. Johnson Pay roll, Cleveland, Ohio Pay roll, Cleveland, Ohio Pay roll, Charleston, S. C. Pay roll, Wilmington, N. C Pay roll, Wilmington, N. C Pay roll, Windianapolis, Ind Wm. A. Johnson Pay roll, Montgomery, Ala Pay roll, Nashville, Tenn Pay roll, Montgomery, Ala Pay roll, Montgomery, Ala Pay roll, Montgomery, Ala Pay roll, Mortgomery, Ala Pay roll, Mortgomery, Ala Pay roll, Norfolk, Va Pay roll, New Haven, Conn Zetta Higgins Ed. Kendall Jno S. Barney. W. T. Turbeville E. J. Gifford H. L. Holden D. D. Booze J. W. Branan L. Rogers Southwestern Telegraph and Telephone Co H. B. Wren M. B. De Vane R. E. Kerkam Missouri Tent and Awning Co Sandusky Electric Light Co	do	2
	Missouri Tent and Awning Co	Canvas covering for printing press	5
	and the state of t		

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
898. ig. 5	Richmond Chamber of Commerce	Office rent	\$145.
ig. J	Central Investment Co.	do	163.
	Central Investment Co	Gas	163. 23.
	New Orleans Crasiight Co Barnard Brown Milwaukee Gaslight Co Felix Hullsmunn W. E. Winpey Citizens' Gas and Electric Co.	Office rent	105.
	Milwaukee Gaslight Co	Gas. Re-covering desk. Window shades	12.
	W F Wimpor	Window shades	3. 9.
	W. E. Wimpey Citizens' Gas and Electric Co. J. J. Walsh & Son J. B. & R. C. Sweatt Dave Mitchell S. A. Barnes & Co Jeff Davis. Frank Ridgway. Galveston Gas Co People's Gaslight and Coke Co. Buffalo Gaslight Co. Prulaski Gaslight Co. Drortland Gas Co. Atlantic City Gas and Water Co. Thos. Boles. B. McEvoy. Barney Flynn. F. G. Blaisdell. M. L. Pool D. Stormont C. G. Le Clair Biemiller Ice and Coal Co. P. Minor Milwaukee Electric Railway and Light Co. Brush Electric Light and Power Co. Columbia Water and Light Co. T. W. Pemberton. Little Rock Edison Electric Light and Power Co. Brush Electric Co., of Baltimore City	Gas.	4.
	J. J. Walsh & Son	Repairs to office room	38.
	J. B. & R. C. Sweatt	Platform for kite reel	7. 1.
	Dave Mitchell	Painting signs	1.
	S. A. Barnes & Co	Shelving	23.
	Frank Ridgway	Office expenses	1.
	Galveston Gas Co.	Gas	1. 15. 5.
	People's Gaslight and Coke Co	do	5.
	Buffalo Gaslight Co	do	Э.
	Pulaski Gaslight Co	do	9.
	Portland Gas Co	do	15. 3.
	The Poles	Storago	4.
	B. McEyoy	Storage of kites	5.
	Barney Flynn.	Water, July, 1897, to June 30, 1898.	5. 15.
	F. G. Blaisdell.	Water, April, May, and June	9.
	M. L. Pool	Ice.	3.
	D. Stormont	do	3.
	Riemiller Lee and Coal Co	do	' 1.
	P. Minor	do	6.
	Milwaukee Electric Railway and Light Co	Electric current	12
	Brush Electric Light and Power Co	do	15. 13. 6.
	do	do	13.
	Columbia Water and Light Co	do	6.
	T. W. Pemberton		5. 15.
	Power Co.	do	10.
	Power Co. Brush Electric Co., of Baltimore City Robert Littledo Merchants' City xchange Co Engelke & Bigelow Peter Rober McCormick & Bates Parkersburg Transfer Co A. A. Bolles O. J. Glenn Pioneer Truck Co H. L. Guion J. H. Crawford Chas. Connell A. Cutler & Son T. W. Ruete W. W. Montagne & Co Addressograph Co Addressograph Co Addressograph Co A I Sobsettin	do	7.
	Robert Little	Drayage	4.
	do	do	2.
	Merchants' City xchange Co	do	4.
	Poter Poles	do	3.
	McCormielz & Rates	do	2. 1.
	Parkershurg Transfer Co	do	4.
	A. A. Bolles	do	8
	O. J. Glenn	do	3.
	Pioneer Truck Co	do	5.
	H. L. Gaion	Rent of ground	5.
	Chas Connoll	do	5. 1.
	A. Cutler & Son	Furniture	32.
	T. W. Ruete	Mixed paints	3.
	W. W. Montague & Co	Supplies	3. 7.
	Phillips & Buttorff Manufacturing Co	Filter and cooler	4.
	Addressograph Co	Addressograph type	
	T. H. Carland	Benzine	1.
	National Bank of Commerce of Pierre S. Dak	Office rent	92.
	Southwestern Telegraph and Telephone Co.	Telephone service	9.
	Sunset Telephone and Telegraph Co	do	15. 8. 30.
	Southern Bell Telephone and Telegraph Co.	do	8.
	Duluth Telephone Co	do	30.
	Missouri and Kanasa Talanhana Ca	do	12.
	Southern Bell Telephone and Telegraph Co	do	9. 17.
	Wisconsin Telephone Co	do	15.
	Oregon Telephone and Telegraph Co	do	15. 22.
	Southwestern Telegraph and Telephone Co.	do	15. 13.
	Southern Bell Telephone and Telegraph Co.	do	13.
	Southorn Poll Telephone Co	do	21.
	Northwestern Telephone Evelance	do	10.
	W. W. Montagne & Co Phillips & Buttorff Manufacturing Co. Addressograph Co. A. J. Schoettlin T. H. Carland National Bank of Commerce of Pierre, S. Dak Southwestern Telegraph and Telephone Co. Sunset Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Duluth Telephone Co. New England Telephone and Telegraph Co. Missouri and Kansas Telephone Co. Southern Bell Telephone and Telegraph Co. Wisconsin Telephone Co. Oregon Telephone and Telegraph Co. Southwestern Telegraph and Telephone Co. Southwestern Bell Telephone and Telegraph Co. Black Hills Telegraph and Telephone Co. Southern Bell Telephone and Telegraph Co. Northwestern Telephone Exchange. Jno. R. Robinson do. M. Cutter The Only Toilet Supply Co. The Great New York Toilet Supply Co.	Type, presswork, etc.	9. 33.
	do	do	35.
	M. Cutter	Services	4.

Date.	Name.	Nature of payment.	Total.
4000	Supplemental—Continued.		
1898. ug. 5	M. B. Boone	Washing towels	\$3.
	M. B. Boone Hubinger & Schmidt. William Watts.	do	3.
			4.
- 1	J.F. Grady	Services	112. 3.
	J. F. Grady W. L. Bell J. K. Lennox A. Midgett Parkersburg Sentinel J. W. Newbury C. A. Noyes Wm. A. Wheeler Corbett & Co.	Hire horse. Erection of flagstaff. Services Reeling kites Erection, signal pole	50.
	A. Midgett	Erection, signal pole	95.
	Parkersburg Sentinel	Printing report. Lettering door.	36.
	C. A. Noves	Renairing caligraph	1.
	Wm. A. Wheeler	Repairing caligraph Printing report	2. 30.
	Corbett & Co. Grand Haven Electric Light Co	Electric current	36.
	B. I. Reminerton	Services	8. 11.
	B. L. Remington E. D. Beattie	Services	100.
	E C Smith	Drinting monont	19
	C. C. Randolph Deseret News Publishing Co. Ralph D. Shelly	do	31.
	Ralph D Shelly	Services and material	31. 17. 10.
	Fred Gaither.	do	5.
	Fred Gaither L. E. Stone	do	1.
	E. D. Beattle	Printing report	30,
	Geo. R. Koester	Printing bulletins	3, 27.
	Malachi Corbett	Hire of horse	8.
6	Mestern Union Telegraph Co Geo. R. Koester Malachi Corbett W. B. Moses & Sons M. G. Copeland & Co	Office furniture for stations	300. 799.
	Adams Express Co	Flags Transportation	799. 32.
10	Adams Express Co Michigan Telephone Co	Telephone service	51.
	Michigan Telephone Co. Pay roll, Augusta, Ga. O. L. Fassig T. J. Considine P. A. Johnson & C. Gardner Dora Moyen L. T. Suethen J. J. Parquette	Telephone service. Substation, salaries. Traveling expenses.	31. 6.
12	O. L. Fassig	Traveling expenses	6.
13	P. A. Johnson & C. Gardner	Office expenses	46.
10	Dora Moven	Office rent. Washing towels	. 6.
	L. T. Suethen	Services	6. 75.
	J. J. Parquette		3.
16	W. S. Beiden Jno. C. Parker W. B. Moses & Sons	Office expenses Paper for printing office	1. 216. 36.
10	W. B. Moses & Sons	Carpers, etc.	36.
	W. H. Hoeke Chicago Chronicle	Rugs	295.
17	North American Tolograph Co	Subscription	1. 13.
1	North American Telegraph Co Lake Shore and Michigan Southern Rwy, Co.	Telegraph services Passenger transportation	14.
	Mobile and Ohio R. R. Co C. O. Pick	do	18.
	C. O. Pick	do	2.
	Edwd. T. Ebinger Addressograph Co	do	115.
	W. Bushman & Co	Services and material	10.
	Pay roll, Omaha, Nebr	Substation, salaries	60.
	Pay roll, Little Rock, Ark	Trangportation	42. 48.
	E. J. Davenport	Office rent	75.
	Vance Printing Co	Printing bulletins	61.
18	Pay roll, Shreveport, La	Substation, salaries	42. 151.
-	Addressograpi Co W. Bushman & Co Pay roll, Omaha, Nebr. Pay roll, Omaha, Nebr. Pay roll, Little Rock, Ark. Adams Express Co. E. J. Davenport. Vance Printing Co. Pay roll, Shreveport, La. Pay roll, Mobile, Ala. Pay roll, Narragansett Pier, R. I. Wyoming Midland Telegraph do Great North western Telegraph Co. of Canada Postal Telegraph-Cable Co Pacific Coast Steamship Co Baltimore and Ohio Southwestern Ry. Co. St. Louis and San Francisco R. R. Co. W. H. Hammon Jno. K. Hooper Geo. P. Wurtz. J. W. Smith T. S. Outram P. H. Smyth Geo. E. Franklin J. J. McLean W. M. Edmondson H. E. Wilkinson J. C. Piercy. L. W. Glenn F. A. Carpenter R. G. Grant	do	90.
	Wyoming Midland Telegraph .	Telegraph service	90. 59. 71.
	do	do	71.
	Great Northwestern Telegraph Co. of Canada	do	153. 4.
	Pacific Coast Steamship Co	Passenger transportation	40.
	Baltimore and Ohio Southwestern Ry. Co	do	40. 28.
	St. Louis and San Francisco R. R. Co	Office empenses	5. 2.
	Jno K Hooper	do do	2.
	Geo. P. Wurtz	do	. 1
	J. W. Smith	do	
	T. S. Outram	do	3. 2.
	Geo. E. Franklin	do	۷.
1	J. J. McLean	do	
	W. M. Edmondson	do	1. 2.
	H. E. Wilkinson	do	2. 5.
	L. W. Glenn	do	6.
	F. A. Carpenter R. G. Grant	do	10.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1898.		0.00	
g. 18	W. S. Palmer	Office expenses	\$2
	Wm. J. Reed G. D. Boutcher American Type Founders Co Raleigh Electric Co Sunset Telephone and Telegraph Co H. W. Glasser T. C. Hamilton	do do do do do do do do	4
	G. D. Boutcher	Traveling expenses	23
	American Type Founders Co	Type, etc	22
	Raleign Electric Co	Electric power	4
	Sunset Telephone and Telegraph Co	Telephone service	6
	m. w. Glasser.	Services	16 12
1	Michael Cooper	do	6
1	H. W. Glasser. T. C. Hamilton Michael Cooney J. L. Patrick F. T. Day & Co Lansing Boiler and Engine Works Jno. W. Chester Co. Cumberland Electric Light and Power Co Southern Bell Telephone and Telegraph Co Pacific Telephone and Telegraph Co. East Tennessee Telephone Co Peoples' Telephone and Telegraph Co. Alpena Mutual Telephone Co Central District and Printing Telephone Co Henry Bolton Armarillo Improvement Co First National Bank H. H. Taylor, agent Pacific States Type Foundry Neal D. Winslow Somers Lumber Co Geo. F. Muth & Co Pacific Transfer Co H. H. Taylor, agent City of Marquette, Mich Consolidated Electric Light Co. of Maine. J. B. Johnson Bussar Union Ice Co Geo. W. Triford Western Union Telegraph Co Geo. H. Godfrey McCrary & Granson Jas. R. J. Hyatt Harper & Pennington	do	45
	F T Day & Co	Cleaning aloak	2
1	Lansing Roiler and Engine Works	Renairing kite reel handle	-
	Jno. W. Chester Co.	Repairing motor, etc.	2
	Cumberland Electric Light and Power Co	Repairing wires for motor	ī
19	Southern Bell Telephone and Telegraph Co.	Telephone rent	7
10	Pacific Telephone and Telegraph Co	do.	7 22
	East Tennessee Telephone Co	do	9
	Peoples' Telephone and Telegraph Co	do .	7
1	Alpena Mutual Telephone Co	do	2
	Central District and Printing Telephone Co.	do	9
- 1	Henry Bolton	Office rent	52
- 1	Armarillo Improvement Co	do	50
	First National Bank	do	126
	H. H. Taylor, agent	do	300
	Pacific States Type Foundry	Oil	3
	Neal D. Winslow	Gasoline	. 15
- 1	Somers Lumber Co	Letter press stand	' 15
	Geo. F. Muth & Co	Drop light	4
1	Pacific Transfer Co	Drayage	5
	H. H. Taylor, agent	Gas and power	22
- 1	City of Marquette, Mich	Electric light	4
	Consolidated Electric Light Co. of Maine	do	10
	J. B. Johnson Bussar	do	1
	Union Ice Co	Ice	8
N	Geo. W. Cowing	Varnishing floor	9.
9	Geo. W. Triford	Services	2.
	western Union Telegraph Co		1.
- 4	Geo. H. Godfrey	Relaying carpet	3.
1	McCrary & Granson	Making photographs	3
1	T Naggala & Cong	Dringing a comp by Hotin	1.
	P. I. Hvott	Office of person	10. 10.
- 0	Harner & Pennington	Office expenses	10.
- 0	R. J. Hyatt Harper & Pennington Cole Manufacturing Co Pay roll, Omaha, Nebr	Towel service Services and material. Substation, salaries.	2. 12.
20	Pay roll Omaha Nebr	Substation calarias	919
20	Pay roll, Sayannah, Ga	do	218. 167.
	Pay roll, St. Louis, Mo	do	163.
- 1	Pay roll, Des Moines, Iowa	do	224
- 8	Pay roll, Vicksburg, Miss	do	224 60.
	Pay roll, Savannah, Ga	do	66.
1	Pay roll, La Crosse, Wis	do	63.
	Pay roll, New Orleans, La	do	120
	do	do	182.
	do	do	84.
	Pay roll, Atlanta, Ga	do	151.
	Pay roll, Charleston, S. C.	do	68.
- 1	Pay roll, Raleigh, N. C.	do	104.
	Pay roll, Alpena, Mich	do	75.
	United States Express Co	Transportation	41.
	American Shipmasters' Association	Book	15.
1	Sun Printing and Publishing Co	Subscription	2.
	Chan Capper & Co	supplies for printing office	5.
	Noostyle Co	Aunydrous ammonia	5.
	I Ranm cartan & Sons	Publica stamps	7.
	Ole Mallidacturing Co. Pay roll, Omaha, Nebr. Pay roll, Savannah, Ga. Pay roll, St. Louis, Mo. Pay roll, St. Louis, Mo. Pay roll, Des Moines, Iowa Pay roll, Vicksburg, Miss. Pay roll, Savannah, Ga. Pay roll, Savannah, Ga. Pay roll, New Orleans, La. do. do. do. Pay roll, Atlanta, Ga. Pay roll, Charleston, S. C. Pay roll, Raleigh, N. C. Pay roll, Alpena, Mich United States Express Co. American Shipmasters' Association Sun Printing and Publishing Co. T. W. & C. B. Sheridan Chas. Cooper & Co. Neostyle Co. J. Baumgarten & Sons. P. F. Lyons.	Office expenses	10. 2.
	P. F. Lyons W. M. Fulton Smith Premier Typewriter Co. C. F. Stokey.	Rubber stamps Office expensesdo	2.
	Smith Premier Tynewriter Co		10.
	C. F. Stokey	Repairing typewriterServices	10.
	Jas. B. Miles	do	9. 90.
	Alpena Electric Light Co	Electric light	90.
	Michigan Telephone Co	Telephone services	6.
1	Alpena Electric Light Co. Michigan Telephone Co. Sunset Telephone and Telegraph Co.	Telephone rent	2. 15.
	Western Union Telegraph Co	do Electric light Telephone services Telephone rent Telegraph service Services do Substation, salaries	10.715
	C. P. Disney Pay roll, Galveston, Tex	Sorvings	10, 715. 18.
22			

184 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

Date.	Name.	Nature of payment.	Total
1000	Supplemental—Continued.		
1898. ug. 22	Pay roll, Galveston, Tex Pay roll, Fort Smith, Ark Pay roll, Memphis, Tenn Jno. Schultzbach. Smith Premier Typewriter Co. Maurice Joyce Engraving Co. Michigan Central R. R. Co. Wabash R. R. Co Wabash R. R. Co Kansas City, St. Joseph and Council Bluffs R. R. Co. Illinois Central R. R. Co.	Substation, salaries	\$30
9	Pay roll, Fort Smith, Ark	do	18 182
	Pay roll, Memphis, Tenn	do	182
	Smith Premier Tynewriter Co	Typewriters etc	52 290
	Maurice Jovce Engraving Co.	Printing office supplies.	34
24	Michigan Central R. R. Co	Transportation	2
	Wabash R. R. Co	do	2
	R. R. Co		
	Illinois Central R. R. Co	do	
	do	do	1
	R. R. Co. Illinois Central R. R. Co. do. do. Richmond and Petersburg R. R. Co. Raleigh and Augusta Air Line R. R. Co. Pacific Coast Steamship Co. Mobile and Ohio R. R. Co. C. H. Mallory & Co. Louisville and Nashville R. R. Co. do. Cincinnati, New Orleans and Texas Pacific R. R. Co.	do	1
	Pacific Coast Steamship Co.	do	1
	Mobile and Ohio R. R. Co	do	
	C. H. Mallory & Co	do	
	dodo	do	1 6
	Cincinnati, New Orleans and Texas Pacific	do	6
	R. R. Co.		
	R. R. Co. Cincinnati, Hamilton and Dayton R. R. Co. Chicago, St. Paul, Milwaukee and Omaha	do	1 37
	R. R. Co.		
	Baltimore and Ohio R. R. Co. Southern Railway Co.	Passenger transportation	142 27
	Southern Railway Cododo	do	27
25	Pay roll Chattanoga Tenn	do	133
20	Pay roll, Chattanooga, Tenn Pay roll, Vicksburg, Miss Pay roll, Little Rock, Ark W. H. Zoeller	do	58
	Pay roll, Little Rock, Ark	do	167
	W. H. Zoeller E. A. Evans	Office expenses do do do Office rent	2
	E. B. Richards	do	9
	E. B. Richards P. A. Johnson, C. S. McLaury and J. L. McLaury.	Office rent	28
	McLaury.		01
	E. E. Friday W. T. Gillespie New York Carpet Cleaning Works. W. T. Ruehlman J. E. Pichonds	Services	21 10
	New York Carpet Cleaning Works	Relaying carpet, etc	2
	W. T. Ruehlman	Repairs to typewriter	5
	J. E. Richards	Costing rollers	2
	Schneider Bros	Nephoscopes	1, 042
	Addressograph Co	Addressograph addresses	1, 042 185
27	Chicago Times-Herald	Subscription	341
21	do	Furniture	201
	M. G. Copeland & Co	Flags	228
	Geo. F. Muth & Co	Benzine	4
pt. 6	Mary M Crump	Services	18
pt. o	Marine Iron Works	Putting in electric lights	16
	Hoke Engraving Plate Co	Recoating plates	87
	do	do	80 79
	J. E. Richards . American Type Founders Co Schneider Bros Addressograph Co Chicago Times-Herald W. B. Moses & Sonsdo M. G. Copeland & Co Geo. F. Muth & Co Barnhart Bros. & Spindler Mary M. Crump Marine Iron Works Hoke Engraving Plate Codo Pacific Coast Steamship Co	Repairing office furniture Relaying carpet, etc Repairs to typewriterdo Casting rollers Nephoscopes Addressograph addresses Subscription Furnituredo O Flags Benzine Type Services Putting in electric lights Recoating platesdodododo Passenger transportation Transportation Transportationdo Furnituredodododo	20
	Pacific Coast Steamship CoUnited States Express Co	Transportation	42
	W R Moses & Sons	Furniture	232
	Woodward & Lothrop	Muslin	6
7	L. Naegele & Sons	Printing reports	25
	C. C. Randolph	Addresses	21 1!4
	Sargent Transfer Co.	Moving office	225
	Chas. F. La Bruyere	Laying carpets	225
10	Eliza C. Crocker	Services	- 60
12	P. Neri Correoso	Services	139
13	R. H. Wolff & Co., Limited	Wire	71
	H. L. Pittock	Paper	8
	Frank Manning	Office furniture	25 140
	Southwestern Telegraph and Telephone Co.	Telephone services	12
	Chicago and Northwestern Rwy. Co	Transportation	12 32
	United States Express Co. do W. B. Moses & Sons Woodward & Lothrop L. Naegele & Sons C. C. Randolph Addressograph Co. Sargent Transfer Co. Chas. F. La Bruyere Eliza C. Crocker. Pay roll, Woods Hole, Mass P. Neri Correoso R. H. Wolff & Co., Limited H. L. Pittock Frank Manning. W. B. Moses & Sons Southwestern Telegraph and Telephone Co. Chicago and Northwestern Rwy. Co. Chicago, Burlington and Quincy R. R. Co. do St. Johns and Lake Eustis R. R. Co.	.,do	45
	Unicago, Durinigion and Uninev K. K. Co	uv	18

Date.	Name.	Nature of payment.	Total.
1000	Supplemental—Continued.		
1898. Sept. 13	Tayas Pacific Rwy Co	Transportaion	\$0.10
26br. 19	Vandalia Line	do	13. 6
	Texas Pacific Rwy. Co Vandalia Line. Western New York and Pennsylvania Rwy.	do	. 49
	UO.	1	01
	Yazoo and Mississippi Valley R. R. Co Columbia River and Puget Sound Naviga-	do	. 8
	tion Co.		
	tion Co. Chesapeake and Ohio Rwy. Codododo. Cincinnati, Hamilton and Dayton Rwy. CoIllinois Central R. R. Co St. Louis and San Francisco R. R. Co Missouri Pacific Rwy. Co Erie and Wyoming Valley R. R. Co Southern Rwy. Co B. F. Young Jas. B. Lambie New York Renovating Co B. D. Merrill. Science G. E. Stechert	do	2. 8
	Cincinnati Hamilton and Dayton Pwy Co	do	. 8' 1. 5
	Illinois Central R. R. Co	do	3, 6
	St. Louis and San Francisco R. R. Co	do	3. 6' 11. 5
	Missouri Pacific Rwy. Co,	do	1.7
	Southern Rwy. Co	do	3. 6
16	B. F. Young	Office expenses	13. 13
17	Jas. B. Lambie	Casters	. 75 15. 0
21 23	B. D. Merrill	Ice	15.0
20	Science.	Periodicals	$\frac{1.6}{23.7}$
	G. E. Stechert	Books	81.0
	M H Mettee	Malling cases	9.73 20.00
	G. E. Stechert United States Mailing Case Co. M. H. Mettee C. F. Stouffer	Laying carpet	1. 2
	Jos. Griggs Wm. Collins J. R. Roche & Co Geo. M. Chappel	Books Mailing cases Papering Laying carpet Repairs to office building Painting instrument shelters Repairs to clock Office expenses	95.00
	Wm. Collins.	Painting instrument shelters	10.00
	Geo. M. Chappel	Office expenses	1. 50
	W. S. Palmer	do	3, 60
	Chas. K. Robinson	do	2. 2
24	I. M. Cline.	Traveling expenses	20. 5 23. 3
	Hoke Engraving Plate Co	Recoating plates	37. 50
Oct. 1	Norfolk and Washington Steamboat Co	Transportation	2. 3
	Geo. M. Chappel W. S. Palmer Chas. K. Robinson B. S. Pague I. M. Cline Hoke Engraving Plate Co. Norfolk and Washington Steamboat Co. do W. B. Moses & Sons	Furniture	26.20
	do	do	2. 3: 1. 7: 86. 2: 197. 3'
	E. B. Dunn	Office expenses.	8.07
4	Chicago, Milwaukee and St. Paul Rwy. Co	Passenger transportation	2. 55 13. 3
	Michigan Central R. R. Co.	do	3. 8
	Pennsylvania Co	do	17. 50
	Texas and Pacific Rwy. Co	do	2. 4 2. 4 5. 10
	E. B. Dunn Chicago, Milwaukee and St. Paul Rwy. Co. Fort Worth and Denver City Rwy. Co. Michigan Central R. R. Co. Pennsylvania Co. Texas and Pacific Rwy. Co. do. St. Louis and San Francisco R. R. Co. Pacific Coast Steamship Co. Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	5. 1
	Pacific Coast Steamship Co	do	10.0
	Pittsburg, Cincinnati, Chicago and St. Louis	do	8. 3
	Union Pacific R. R. Co	do	4.3
	Pennsylvania R. R. Co	do	171.4
	Jackson and Rich Square Telephone Co	Telephone service	21. 0
	Pittsboro and Moncure Telephone Line	do	31. 20 7. 80
8	Pittsburg, Cincinnati, Chicago and St. Louis R.w., Co. Union Pacific R. R. Co Pennsylvania R. R. Co Miami Telephone Co Jackson and Rich Square Telephone Co Pittsboro and Moncure Telephone Line Chicago, Burlington and Northern R. R. Co Fort Worth and Denver City Rwy. Co Lowa Telephone Co Alabama, Mississippi and Tennessee Telegraph Co. Georgetown and Lanes Telegraph Co	Telegraph service	2. 73
	Lowa Telephone Co	do	11. 5 2. 6
	Alabama, Mississippi and Tennessee Tele-	do	8. 0
	graph Co.	,	
			16. 5
	Jno. Člarke Inter-State Telephone Co Richmond, Fredericksburg and Potomac	Telephone service	7. 3 7. 1
	Richmond, Fredericksburg and Potomac	Transportation	.7
			18.0
	Chicago Great Western Rwy. Co	do	5. 4
	Baltimore and Ohio R. R. Co. Chicago Great Western Rwy. Co. A. F. Land	Repairs to typewriter	2.5
	A. F. Land Schneider Bros Henry Sanders Western Union Telegraph Co. Southern Railway Co. W. E. Shiver W. B. Moses & Sons Frank Burk. J. T. Harner	Kite meteorographs Service and materials Telegraph service	2,500.0
10	Western Union Telegraph Co	Telegraph service	150. 0 12, 017. 6
17	Southern Railway Co	Transportation	10. 0
	W. E. Shiver	Laying carpet	5. 0
18	Frank Burk.	Office expenses	298. 60 3. 20
	J. T. Harper	Transportation Laying carpet Furniture Office expenses Telegraph service	11. 8 37. 5
	Staunton Mutual Telephone Co Put-in-Bay Telegraph Co do	Telephone service	37.5
	Ful-III-Day Telegrann Co	Leiegraph service	8.8

ate.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1898. t. 18	Deseret Telegraph Co	Telegraph service	¢109
. 10	Little Northern Telegraph Co	do	\$103 6
	W. H. Holmes	do	6
	Cumberland Telephone and Telegraph Co	do	54
	Kellevs Island and Sandusky Cable Tele-	do	8
	graph Co.		
	Barron County Telephone Co	Telephone service	9
	J. A. Fox		6
	Dolloing Zongamilla and Ginginnati Dawy Co.	A -	7
	Cumberland Telephone and Telegraph Co	do	111 11
	Cumberland Telephone and Telegraph Co. Iowa Telephone Co. Southern Bell Telephone and Telegraph Co. East Tennessee Telephone Co. East Louisiana R. R. Co. Alabama and Georgia Long Distance Telephone Co.	do do Telephone service	11
	Southern Bell Telephone and Telegraph Co.	Telegraph service Telephone service Telegraph service Telephone service	8
	East Tennessee Telephone Co	Telephone service	14
	East Louisiana R. R. Co	Telegraph service	6
	Alabama and Georgia Long Distance Tele-	Telephone service	10
	phone Co.	-	
	Smithfield Telephone Co	do	5
	New England Telephone and Telegraph Co.	Telegraph service	2
	Corvallis and Eastern R. R. Co	do	2 5
	Michigan Telephone Co	Telephone service	50
	New York, Chicago and St. Louis R. R. Co	Passenger transportation	4
	Northern Central Rwy. Co	do	8
	phone Co. Smithfield Telephone Co New England Telephone and Telegraph Co- Corvallis and Eastern R. R. Co. Michigan Telephone Co. New York, Chicago and St. Louis R. R. Co. Northern Central Rwy. Co Straits Steamship Co. Cleveland, Cincinnati, Chicago and St. Louis R. R. Co.	do	5
19	Cleveland, Cincinnati, Chicago and St. Louis	do	9
	R. R. Co. J. H. Robinson Central Union Telephone Co Missouri, Kansas and Texas R. R. Co. O. I. Mairs		
	J. H. Robinson	Office expenses	11
20	Central Union Telephone Co	Office expenses Telephone service Passenger transportation Laying carpet Traveling expenses Hauling furniture	4
	Missouri, Kansas and Texas R. R. Co	Passenger transportation	6
	O. I. Mairs	Laying carpet	6
21	H. L. Ball	Traveling expenses	80
	Parkersburg Transfer Co	Hauling furniture	3
25	H. L. Ball Parkersburg Transfer Co Kansas City, St. Joseph and Council Bluffs	Transportation	
	Chicago, Burlington and Quincy R. R. Co	do	
	do	do	1
	Chicago, Burlington and Quincy R. R. Codododododododo.	do	
	Chicago and Eastern Illinois R. R. Co	do	
	North Eastern R. R. Co	do	2
	New York Central and Hudson River R. R.	do	3
	Co.		
	C. H. Mallory & Co	do	. 4
	Louisville and Nashville R. R. Co	do	1
	Ilwaco Railway and Navigation Co	do	1
	E. F. Ebinger	Drayage	
	Chicago, Burlington and Quincy R. R. Co	Transportation	12
	do	do	1
	Chicago, Milwankee and St. Paul Rwy. Co	do	
	Lake Shore and Michigan Southern Rwy. Co	00	
	St. Louis, Keokuk and Northwestern R. R. Co	00	
	do	do	
	Chian and Marthana to a Dec C		
	Alabama and Vielsahuss D. D. Co	d0	2
	Co. C. H. Mallory & Co. Louisville and Nashville R. R. Co. Ilwaco Railway and Navigation Co. E. F. Ebinger. Chicago, Burlington and Quincy R. R. Co. do. Chicago, Milwaukee and St. Paul Rwy. Co. Lake Shore and Michigan Southern Rwy. Co. St. Louis, Keokuk and Northwestern R. R. Co. do. do. Chicago and Northwestern Rwy. Co. Alabama and Vicksburg R. R. Co. Cleveland, Gincinnati, Chicago and St. Louis R. R. Co.	d0	1
	P. P. Co.	d0	1
	R. R. Co.	do	
	Star Union Line	do	2 1 37
	Politimare and Ohio Conth postern Day C	do	27
	da d	do	60
	do	do	62
	Vandalia Lina	do	12 4
	do	do	12
	International and Creat Northern D. D. Ca	do	4
	Santa Fe Prosectt and Dhanis Day Co.	do	
	George Borry	do	1
	C. H. Mallory & Co.	do	
	R. R. Co. Louisville and Nashville R. R. Co. Star Union Line Baltimore and Ohio Southwestern Rwy. Co. do. do. Vandalia Line. do. International and Great Northern R. R. Co. Santa Fe, Prescott and Phenix Rwy. Co. George Berry C. H. Mallory & Co. New York, New Haven and Hartford R. R. Co.	do	
	Co.		
	Old Colony Steamhoat Co	do	3.
	Panneylyania R. R. Co	do	5
	Northern Pacific Rwy Co	do	3.
	do	do	5.
	do	do	1.
	Co. Old Colony Steamboat Co. Pennsylvania R. R. Co. Northern Pacific Rwy. Co. do. do Atchison, Topeka and Santa Fe Rwy. Co. Illinois Central R. R. Co. do.	do	55.
	Illinois Central R R Co	′ do	1.
	do	do	1.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

	Supplemental—Continued. Illinois Central R. R. Co	do	\$14.02 .83
Oct. 25	do do Great Northern Rwy. Co Chicago, Rock Island and Pacific Rwy. Co	do	
	Great Northern Rwy. Co	do	
	Chicago Rock Island and Pacific Rwy, Co	3.	. 62
	Chicago, Rock Island and Pacific Rwy. Co	00	14.68
1.		do	. 43 59, 95
1.	Nebraska Telephone Co	Transportation	59.95
1.	do	do	.47
	New York, Philadelphia and Norfolk R. R.		. 21
	Co.	do	. 48
	Western R. R. of Alabama		2.99
1.	Norfolk and Western R. R. Co	do	. 50
	Pennsylvania R. R. Co		1. 25 5. 56
1	Santa Fe and Pacific R. R. Co	do	3, 40
	C. O. Pick		1.00
	Wabash R. R. Co	do	3.10
-	do		1.85
	Baltimore and Ohio Southwestern R. R. Co	do	. 56
	Yazoo and Mississippi Valley R. R. Codo	do	. 83 2, 68
-	do		. 83
1	Hannibal and St. Joseph R. R. Co		2.02
	Chicago, Milwaukee and St. Paul R. R. Co	do	14. 15
	do		. 25
-	do		. 49
-	do	do	3.43
	Co.	00	. 40
	St. Louis and San Francisco R. R. Co	do	2, 61
Nov. 10	Western Union Telegraph Co Postal Telegraph Cable Co	Telegraph service	13, 057. 63
	Postal Telegraph Cable Co	do	507.71
	Pacific Postal Telegraph Cable Co Puget Sound Telegraph Co	do	45. 70
	Jacksonville and St. Johns Bar Telegraph	00	153, 46 6, 50
	Lines.	00	0, 50
	Enterprise Telegraph Co	do	7.90
	Enterprise Telegraph Co	do	7.80
	graph Co.		
	Trada I	-	00 400 00
	Total		98, 436. 88

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	58, 933. 75 105, 985. 43 46, 031. 16 98, 436. 88
Total	330, 089. 80

WEATHER BUREAU-GENERAL EXPENSES-SALARIES.

Date.	Name.	Nature of payment.	Total.
1897. July 31	Chas. H. Booth O. B. Hart W. M. Edmondson J. P. Slaughter Robt. S. Smith Chas. Stewart M. Connell P. N. Peterson Thos. Gibson L. Ross Carpenter Ford N. Carpenter Jno. R. Williams T. S. Collins J. E. Lanonette. Everett C. Hobbs.		\$15.00 60.00 109.50 101.10 60.60 109.50 109.50 40.00 12.58 101.10 117.90 101.10 119.50

Date.	Name. Nature of payment.	Tot
1897.	Fitzhugh Newman	
ly 31	Fitzhugh Newman Services	\$10
-3	F. L. Johnsondo	10
	Ella W. Danielsdodo	
	C. D. E. Thompsondo	10
	Allen Buelldo	10
	Wayland Baileydo	10
	Ball D. Johnson	
	W C McCuiness	3
	Henry E Stewart do	1
	Edwd. B. Richardsdo	10
	Benj. M. Jacobs	10
	P.B. Daly	
	Wm. Davisdo	10
	Benj. N. Blundondo	. 10
	D. Frank Vanna	
	In W Bram do	10
	Geo Reeder do	10
	Geo. T. Todddo	10
	J. P. Fallihedo	
	D. C. Murphydodo	1
	Jno. J. McLean	10
	L. I. Ahleringdodo	
	F. K. Beanando	1
	Jno. J. U Donnell do	1
	G. W. Felger	10
	N. D. Lane	10
	Geo. W. Eddydo	
	E. Herbert Nimmo do	10
	Chas. W. Lingdo	10
	R.M. Harding do	10
	J. W. Cronkdo	
	F. Z. Gosewisch	. 10
	Jos. J. Dosher	10
	Ches M Bouchen	10
	H W Grassa do	é
	H. P. Barrietdodo	4
	H. P. Battlet d0 d0 d0 d0 d0 d0 d0 d	1
	Jas. Sands do do	10
	Jas. C. Piercydodo	10
	Marsden Wrightdodo	1
	Julius C. Hayden	
	Unas. Auto	8
	E. J. Glass dodo	(
	M. B. De Vane. do	11 10
	Jas. A. Barwick do	11
	P. J. Bolton do do	10
	Fred S. Coale do do	12
	Harrison McBaldwin et al. Salaries	12
	Jno. B. Maroury et al	48 68
	J. W. Smith et al	70
	David Guthbertson et al	49
	B. H. Bronson et al.	42 21 12
	P. H. Smyth et aldo	19
	L. M. Pindell et aldodo	18
	L.N. Jesnnofsky et aldodo	22
	S. L. Dosher et al	13
	M. G. Renoe et al	12
	E. M. Reels et al.	42 58
	A E Hackett et al	18
	J. W. Bauer et aldo	.12
	H. D. Richardson et al	36
	Geo. E. Hunt et aldo	21
	Jno. Grover et aldodo	11
	Wm. S. Currier et aldo	18
	T. B. Jennings et aldodo	14
	R.J. Hyatt et aldo	32 24
	Wm. A. Shaw do E. J. Glass do M. B. De Vane. do Jas. A. Barwick do P. J. Bolton do Fred S. Coale do Harrison McBaldwin et al Salaries Jno. B. Marbury et al do Jredinand J. Walz et al do J. W. Smith et al do David Guthbertson et al do B. H. Bronson et al do P. H. Smyth et al do L. M. Pindell et al do L. N. Jesunofsky et al do S. L. Dosher et al do M. G. Renoe et al do S. S. Bassler et al do E. N. Beals et al do A. E. Hackett et al do J. W. Bauer et al do H. D. Richardson et al do Geo. E. Hunt et al do Wm. S. Currier et al do Mr. J. Hyatte tet al do Max Wagner et al do Max Wagner et al do <t< td=""><td>24 28</td></t<>	24 28
	Ino D Blanden et al	12
	I D Lingley et al	14 20
	U. D. Limotoy Co at	00

1897. Fuly 31	W. M. Wilson et al A. F. Sims et al Wm. M. Dudley et al F. P. Chaffee et al E. P. Chaffee et al E. W. McGann et al U. G. Meyers et al R. E. Kirkam et al E. B. Dunn et al Jas. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dev et al B. Crane et al C. F. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al I. G. Gardner et al H. B. Boyer et al M. J. Wright, jr., et al C. F. Schneider et al G. A. Loveland et al S. C. Emery et al G. E. Franklin et al Frank Burke et al Geo. N. Wilson et al H. R. Patrick et al Frank Burke et al Geo. N. Wilson et al H. R. Patrick et al Frank Burke et al Goo. N. Wilson et al H. R. Patrick et al Frank Burke et al Goo. M. Chappel et al D. P. McCallum et al E. R. Demain et al H. P. Hardin et al E. R. Demain et al H. P. Hardin et al E. R. Demain et al H. R. Wappenhaus et al G. M. Chappel et al D. P. McCallum et al D. P. McCallum et al E. R. Demain et al H. H. Smith et al H. H. Brandenburg et al D. F. Lyons et al H. H. Smith et al H. R. Hersey et al W. H. Fallon et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al W. H. Sallon et al H. R. Hersey et al H. R.	Salaries	\$446. 227. 174. 326. 533. 142. 121. 520. 691. 256. 180. 319. 93. 288. 268. 268. 218. 89. 319. 319. 314. 225. 510. 314. 314. 319. 314. 314. 314. 314. 314. 314. 314. 314
aly 31	W. M. Wilson et al. A. F. Sims et al. Wm. M. Dudley et al. F. P. Chaffee et al. Henry C. Bate et al. E. W. McGann et al. Henry C. Bate et al. E. W. McGann et al. D. G. Meyers et al. R. E. Kirkam et al. E. B. Dunn et al. Jas. J. Gray et al. J. J. Widmeyer et al. L. A. Welsh et al. David Fisher et al. T. S. Outram et al. W. W. Neifert et al. A. B. Crane et al. L. M. Dey et al. W. T. Blythe et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. P. Jones et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	Salaries	227. 174. 6 326. 6 533. 6 142. 9
	Wm. M. Dudley et al F. P. Chaffee et al Henry C. Bate et al E. W. McGann et al D. W. McGann et al R. E. Kirkam et al R. E. Kirkam et al B. B. Dunn et al J. J. Widmeyer et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. P. Jones et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al M. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al L. G. Gardner et al	do do do do do do do do	174. (326. (533. (142.)
	F. P. Chaffee et al Henry C. Bate et al E. W. McGann et al U. G. Meyers et al R. E. Kirkam et al E. B. Dunn et al Jas. J. Gray et al Jas. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dev et al L. M. Dev et al B. M. Dev et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al G. G. Gardner et al C. G. Gardner et al	do	326. 4 533. 1 142. 1 121. 1
	Henry C. Bate et al E. W. McGann et al U. G. Meyers et al R. E. Kirkam et al E. B. Dunn et al Jas. J. Gray et al Jas. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dey et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al A. J. Mitchell et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al	do do do do do do do do	142.
	E. W. McGann et al U. G. Meyers et al R. E. Kirkam et al E. B. Dunn et al Jas. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dey et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Gedwd. A. Evans et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al	00	121.
	R. E. Kirkam et al E. B. Dunn et al J. J. Widmeyer et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dev et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al S. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al	do	E 0.0
	E. B. Dunn et al Jas. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al David Fisher et al T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dev et al L. M. Dev et al E. M. Dev et al E. M. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al	do	691. 256. 180. 319. 93.; 298. 267. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180. 517.
	Jas. J. Gray et al J. J. Widmeyer et al. L. A. Welsh et al David Fisher et al. T. S. Outram et al W. W. Neifert et al A. B. Crane et al. L. M. Dey et al L. M. Dey et al W. T. Blythe et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al. L. G. Gardner et al.	do do do do do do do do	256. 180. 319. 93. 298. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180. 517.
	J. J. Widmeyer et al. L. A. Welsh et al. David Fisher et al. T. S. Outram et al. W. W. Neifert et al. A. B. Crane et al. L. M. Dev et al. W. T. Blythe et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. G. Gardner et al. L. G. Gardner et al.	d0	180. 319. 93. 298. 267. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180. 517.
	David Fisher et al. T.S. Outram et al. W.W. Neifert et al. A.B. Crane et al. L.M. Dev et al. W.T. Blythe et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C.F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al. L. G. Gardner et al.	do d	93. 298. 267. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180.
	T. S. Outram et al W. W. Neifert et al A. B. Crane et al L. M. Dev et al L. M. Dev et al L. M. Dely et al Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al L. G. Gardner et al	do	298. 267. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180.
	W. W. Neifert et al. A. B. Crane et al. L. M. Dev et al. W. T. Blythe et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	do do do do do do do do	267. 126. 558. 218. 89. 319. 225. 510. 314. 306. 180. 517.
	A. B. Crane et al. L. M. Dey et al. W. T. Blythe et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	d0	126. 558. 218. 89. 319. 225. 510. 314. 306. 180. 517.
	B. M. Des et al. Geo. B. Wurtz et al. Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	do	218. 89. 319. 225. 510. 314. 306. 180.
	Geo. B. Wurtz et al Frank Ridgeway et al Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al. L. G. Gardner et al.	do d	89. 319. 225. 510. 314. 306. 180. 517.
	Frank Ridgeway et al. Edwd. P. Jones et al. B. S. Paque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	do do do do do do do do	319. 225. 510. 314. 306. 180.
	Edwd. P. Jones et al B. S. Paque et al C. F. Von Herrmann et al Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al I. G. Gardner et al	do do do do do do	225. 510. 314. 306. 180.
	E. S. Faque et al. C. F. Von Herrmann et al. Edwd. A. Evans et al. Olin Parker et al. H. C. Frankenfield et al. A. J. Mitchell et al. Patk. Connor et al. L. G. Gardner et al.	- d0 - d0 - d0 - d0 - d0 - d0	314. 306. 180. 517.
	Edwd. A. Evans et al Olin Parker et al H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al L. G. Gardner et al	do	306. 180. 517.
	Olin Parker et al. H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al. I. G. Gardner et al.	do	180. 517.
	H. C. Frankenfield et al A. J. Mitchell et al Patk. Connor et al. I. G. Gardner et al.	do	517.
	Patk. Connor et al	do	
	I. G. Gardner et al.		218.
	ar di daranci co minimo	do	116.
	H. B. Bover et al	do	135.
	M. J. Wright, jr., et al	do	126.
	C. F. Schneider et al.	do	126. 289.
	S. C. Emory et al	do	289. 289.
	G. E. Franklin et al	do	306.
1.4	Frank Burke et al	do	306, 442, 109,
1	Geo. N. Wilson et al	do	109.
T.	H. R. Patrick et al.		109. 301.
	Jno. Fitzgerald et al	do	648.
	Jas. Kenealy et al	do	648. 323.
	T. J. Considine et al	do	180.
	Isaac M. Cline et al	do	448, 139, 119.
	H. P. Hardin et al	do	119
	S. W. Glenn et al	do	217.
	D. P. McCallum et al	do	122.
	C. T. R. Wappenhaus et al.	do	414.
	N P Conger et al	do	444. 441.
-	L. M. Farr et al.	do	131.
	F. H. Brandenburg et al	do	389. 272.
a constant	P. F. Lyons et al.	do	272.
	Alex. G. McAdie et al	do	193. 639.
	H. H. Curley et al	do	116.
	E. C. Thompson et al	do	116. 126.
	H. B. Hersey et al	do	202.
	J M Sherier et al	do	210.
	Geo. N. Salisbury et al.	do	222.
	Chas. Davis et al	do	126. 210. 222. 117.
	Jno. Craig et al	do	134.
	H. E. Wilkinson et al.	do	126. 129.
ug. 3	Chas. T. Schroeder	Services	18.
	Jas. C. Burfoot	do	3. 30.
11 20	W. D. Foote	do	30.
20	Edw. W Wheeler	do	13. 20.
	Rossele H. Dunbar	do	49.
26	S. L. Robbins	do	24.
31	Benj. M. Jacobs	do	25.
	W m. Davis	do	101.
	Edwd. B. Richards	do	92. 101.
	Benj. A. Blundon	do	101.

190 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30, 1898--Cont'd.$

Date.	Name.	Nature of payment.	Tota
1897.			
ug. 31	Jno. W. Byram Ser	vices	\$10
	Geo. Keeder	.do	10
	Jno J McLeen	do	10 10
	P. J. Bolton	do	10
	G. W. Felger	do	10
	E. H. Nimmo	.do	10
	Chas. W. Ling.	.do	10 10
	Allen Buell	.do	10
	Thos Gibson	do	10 10
	Geo. W. Scott	do	10
	Jas. C. Piercy:	.do	10
	J. P. Slaughter	do	10
	Chas. Stewart	.do	10 10 10
	Ino P Williams	.do	10
	T S Collins	do	10
	Fitzhugh Newman	do	10
	F. L. Johnson	.do	10 10
	Jno. R. Williams T. S. Collins Fitzhugh Newman F. L. Johnson F. Z. Gosewisch W. M. Edmondson D. C. Murphy Jas. A. Barwick Everett C. Hobbs J. J. O'Donnell Geo. W. Eddy E. J. Glass A. Brand W. C. McGuiness J. W. Cronk	.do	10
	W. M. Edmondson	.do	10
	Jos A Barwick	do	10
	Everett C. Hobbs	do	10 9 9
	J. J. O'Donnell	do	9
	Geo. W. Eddy	.do	9
	E. J. Glass	do	9
	A. Brand	do	8
	W. C. McGuiness J. W. Cronk W. A. Shaw Marsden Wright Chas. A die C. D. C. Thompson S. B. Pfanner M. E. Conway J. C. Hayden R. H. Dunbar	do	8
	W. A Shaw	do	8
	Marsden Wright	.do	8 8
	Chas. Adie	.do	8
	C. D. C. Thompson	.do	8
	S. B. Pfanner	.do	8
	J. C. Haydan	do	7 7
	R. H. Dunbar	do	7
	Jos. J. Dosher	do	6
	Jos. J. Dosher H. W. Grasse Jos. Sands	.do	6
	Jos. Sands	.do	6
	R. S. Smith	.do	6
	J. P. Fallihee O. B. Hart W. D. Foote	do	6
	W. D. Foote	do	6
	C. W. Halsey	.do	6
	W. F. Foote C. W. Halsey Max. Wagner P. B. Daly H. P. Barriet	do	5
	P. B. Daly	.do	5 4
	P. N. Peterson	do	4
	R. M. Crawford	do	4
	R. M. Crawford C. R. Watson S. L. Robbins	do	2
	S. L. Robbins	.do	2
			2
	Geo. E. Lovett B. D. Johnson C. M. Boucher E. J. Davenport Ella W. Daniels M. B. De Vane	.do	2
	E. J. Davanport	0b	$\frac{2}{2}$
	Ella W. Daniels	do	2
	M. B. De Vane	do	2
	E. W. Wheeler Julia R. Davidson	.do	2
	Julia R. Davidson.	.do	1
	Edw C Scott	do	1
	R M Hardings	do	10
	J. W. Smith et al. Sale	aries	10 71
	Chas. H. Booth R. M. Hardinge J. W. Smith et al Sala F. J. Walz et al	do	68
	E. B. Dunn et al Jno. Fitzgerald et al Alex. G. McAdie et al	do	67
	Jno. Fitzgerald et al	do	67- 63: 63:
	Alex. G. McAdie et al	.do	63
			60-
	H. C. Frankenfield et al	do	59.
	B. S. Pagne et al	do	558 538 510
	L. M. Dey et al H. C. Frankenfield et al B. S. Pague et al David Cuthbertson et al Henry C. Bate et al S. S. Bassler et al G. M. Chappel et al	do	42'
	Henry C. Bate et al.	.do	47: 41: 44:
	C C Decelon et al	do	418

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd.

Date.	Name.	Nature of payment.	Total.
1897.	N. B. Conger et al Isaac M. Cline et al. C. F. R. Wappenhaus et al Frank Burke et al W. M. Wilson et al H. W. Richardson et al F. H. Brandenburg et al R. J. Hyatt et al Edwd. A. Evans et al Frank Ridgeway et al L. A. Welsh et al F. P. Chaffee et al Pat Connor et al. Jas. Keneally et al T. S. Outram et al F. H. Clarke et al Geo. A. Loveland et al A. J. Mitchell et al C. F. yon Herrmann et al		
Aug. 31	N. B. Conger et al	Salaries	\$441. 461.
	Isaac M. Cline et al.	do	461. 427.
	Frank Burke et al	do	403
	W. M. Wilson et al	do	403. 446. 395.
	H. W. Richardson et al	do	395.
	F. H. Brandenburg et al	do	380
	Fdwd A Evens at al	do	332. 306. 319.
	Frank Ridgeway et al	do	319.
	L. A. Welsh et al	do	319.
	F. P. Chaffee et al.	do	326. 319.
	Pat Connor et al	do	319. 323.
	T. S. Ontram et al.	do	306
	F. H. Clarke et al	do	301.
	Geo. A. Loveland et al	do	301. 311. 218. 292.
	A. J. Mitchell et al.	do	218.
	C. F. von Herrmann et al	(0)	292.
	Pat. F. Lyons et al	do	279
	Jas. J. Gray et al	do	256. 225.
	A. J. Mitchell et al. C. F. von Herrmann et al. S. C. Emery et al. Pat. F. Lyons et al. Jas. J. Gray et al. Edwd. P. Jones et al.	do	225.
	Hector L. Ball et al. H. B. Hersey et al J. M. Sherier et al Geo. N. Salisbury et al	do	908
	J. M. Sherier et al	do	202. 210. 222.
	Geo. N. Salisbury et al Chas. M. Strong et al Geo. E. Franklin et al A. T. Sims et al L. N. Jesunofsky et al Geo. E. Hunt et al W. T. Blythe et al S. W. Glenn et al J. H. Smith et al Orin Parker et al Chas. Davis et al H. H. Curley et al H. H. Curley et al L. G. Gardner et al D. P. McCullum et al L. H. P. Hardin et al E. R. Demain et al E. R. Demain et al E.	do	222.
	Chas. M. Strong et al	do	235.
	Geo. E. Franklin et al.	do	230.
	A. T. Sims et al.	do	227. 213. 207.
	L. N. Jesnnofsky et al	do	213,
	Geo. E. Hunt et al	do	210
	W. T. Blythe et al	do	218.
	S. W. Glenn et al	do	218. 217. 193.
	J. H. Smith et al.	do	193. 183.
	Orin Parker et al	do	180
	Chas. Davis et al	do	180. 117. 116.
	H. H. Curley et al.	do	116.
	F. A. Carpenter et al	do	116.
	D P McCullum et al	do	116. 122. 119.
	H. P. Hardin et al	do	119.
	E. R. Demain et al	do	139.
	T.J. Considine et al	do	180.
	Horry R Royer et al	do	186.
	J. G. Linslev et al	do	186. 169. 142.
	J. I. Widmeyer et al	do	180
	E. W. McGann et al	do	142.
	Will. M. Dudley et al	do	142. 178. 162.
	T. B. Jennings et al	do	149
	D. P. McCullum et al H. P. Hardin et al E. R. Demain et al L. R. Demain et al Lewis N. Pindell et al Harry B. Boyer et al J. G. Linsley et al J. I. Widmeyer et al J. I. Widmeyer et al E. W. McGann et al Wm. M. Dudley et al Geo. E. Grimes et al Jno. Craig et al H. E. Wilkinson et al L. E. Lamoneth et al Jno. B. Blagden et al Geo. W. Wilson et al H. R. Patrick et al U. G. Myers et al U. G. Myers et al C. F. Schneider et al G. F. Schneider et al W. H. Fallon et al W. H. Fallon et al L. J. Wilkinson et al L. C. Thompson et al C. F. Schneider et al S. L. Dosher et al	do	134.
	H. E. Wilkinson et al.	do	134. 129. 129.
	I. E. Lanoneth et al.	00	129.
	Geo W Wilson et al	do	100
	H. R. Patrick et al	do	124. 109. 109. 121.
	U. G. Myers et al	do	121.
	U. G. Purssell et al	do	
	E. C. Thompson et al	do	126. 126. 126. 126.
	C. F. Schneider et al	do	126.
	M. J. Wright, jr., et al	do	196
	W. H. Fallon et al	do	126. 126. 126. 121.
	H. McP. Baldwin et al.	do	126.
	S. L. Dosher et al	do	121. 131.
	S. L. Dosher et al A. E. Hackett et al L. M. Tarr et al M. G. Renoe et al	do	131.
	L. M. Tarr et al	do	131. 131. 131.
	M. G. Renoe et al	do	131.
	Geo. B. Wurtz et al. Jno. B. Marbury et al. B. H. Bronson et al. Asa Dosher	do	194
	Ino R Marhum et al	do	89. 432. 213.
ept. 4			

Date.	Name.	Nature of payment.	Total.
1897.			
Sept. 4	N. D. Lane	Services	\$109. 168.
	E. A. Beals Wm. B. Stockman et al	Salaries	416.
18	M. E. Hill J. M. Page H. P. Barriet	Services	29.
	J. M. Page	do	29. 48.
	H. P. Barriet	do	10. 30.
	Wm. D. Foote R. H. Dunbar L. I. Albering A. E. Drinkwater	do	30.
	I. I. Ablering	do	11. 25. 33.
21	A. E. Drinkwater	do	20.
24	Jno. Grover et al	do	116.
	Jno. Grover et al E. B. Hamlin Allen Buell Wayland Bailey A. Brand B. D. Johnson E. B. Richards B. M. Jacobs	do	28. 97. 97.
30	Allen Buell	do	97.
	Wayland Bailey	do	97.
	R D Tohnson	do	89.
	E. B. Richards	do	25. 97.
	B. M. Jacobs.	do	24.
	W. C. McGuiness	do	81.
	Wm. Davis R. F. Young B. A. Blundon	do	97.
	R. F. Young	do	97. 97.
	B. A. Blundon Geo. Reeder J. W. Byram G. F. Todd J. P. Fallibee J. J. McLean D. C. Murphy N. D. Lane P. J. Bolton L. J. Depredict	0b	97.
	T W Pyrom	00	97. 97.
	G F Todd	00	97
	J. P. Fallihee	do	58
	J. J. McLean	do	97
	D. C. Murphy	do	106
	N. D. Lane	do	106 97
	P. J. Bolton	do	97
	J.J.O'Donnell	do	89
	C W Eddy	0D	89
	C. W. Ling	do	89 97
	E. H. Nimmo	do	97
	R. M. Hardinge	do	. 97
	J. W. Cronk	do	81
	F. Z. Gosewisch	do	106
	J. J. Dosher	do	58
	H W Grassa	00	97
	C. M. Boucher	do	58 25
	M. E. Conway	do	68
	W. A. Shaw	do	81
	J. C. Piercy	do	97
	Jos. Sands.	do	58
	Marsden Wright	d0	81 68
	Otto B Hart	do	60
	J. P. Slaughter	do	97
	N. J. Balton J. J. O'Donnell Frank R. Beahan G. W. Eddy C. W. Ling E. H. Nimno R. M. Hardinge J. W. Cronk F. Z. Gosewisch J. J. Dosher Geo. W. Scott H. W. Grasse C. M. Boucher M. E. Conway W. A. Shaw J. C. Piercy Jos. Sands Marsden Wright J. C. Hayden Otto B. Hart J. P. Slaughter R. S. Smith	do	58
	Chas. Adie	do	81
	Chas. Steward	do	97 97
	S. S. Smith Chas. Adie Chas. Adie Chas. Steward Thos. Gibson Maurice Connell T. S. Collins J. R. Williams E. C. Hobbs E. L. Davenport Ella W. Daniels Fitzhugh Newman F. L. Johnson C. D. C. Thompson M. B. De Vane P. N. Peterson Chas. W. Halsey Chas. H. Booth E. W. Wheeler W. M. Edmondson Geo. L. Lovett S. L. Robbins W. F. Phanner A. F. Sim et al	do	97
	T. S. Collins	do	97
	J. R. Williams	do	97
	E. C. Hobbs	do	89
	E. L. Davenport	do	25
	Ella W. Daniels	do	25
	Fitzhugh Newman	do	97 97
	C. D. C. Thompson	do	81
	M. B. De Vane	do	25.
	P. N. Peterson.	do	18.
	Chas. W. Halsey	do	34.
	Chas. H. Booth	do	15.
	E. W. Wheeler	00	20. 106.
	Geo. I. Lovett	do	25.
	S. L. Robbins	do	12
	W. F. Phanner	do	12 37
	A. F. Sims et al.	Salaries	220.
	H. McP. Baldwin et al	do	122
	S. L. Robbins W. F. Phanner A. F. Sims et al. H. McP. Baldwin et al. J. B. Marbury et al. David Fisher et al. J. W. Smith et al. F. J. Walz et al.	do	406
	David Fisher et al	do	117. 574.
	9. W. SHILLE &L 31	u0	0/4

Date.	Name.	Nature of payment.	Total.
1897.			
pt. 30	B. H. Bronson et al Sa David Cuthbertson et al Sa	alaries	\$207.
	David Cuthbertson et al	do	414.
	P. H. Smyth et al.	do	207.
	L. N. Jesunofsky et al.	do	200.
-	L. M. Pindell et al.	do	181, 127, 620
	S. L. Dosher et al.		127.
	Jno. Fitzgerald et al	do	620.
	T W Paper et al	do	566.
	A E Hackett et al	do	121. 127. 383.
	H W Richardson et al	do	383
	S. S. Bassler et al.	do	403.
	Geo. E. Hunt et al	do	203.
	F. H. Brandenburg et al.	do	376.
	G. M. Chappel et al.	do	430.
	Norman B. Conger et al	do	497
	L. M. Tarr et al	do	127. 313.
	Jas. Kenealy et al	do	313.
	T. J. Considine et al	do	189.
	B. H. Bronson et al. David Cuthbertson et al. P. H. Smyth et al. L. N. Jesunofsky et al. L. M. Pindell et al. S. L. Dosher et al. Jno. Fitzgerald et al. E. A. Beals et al. J. W. Bauer et al. A. E. Hackett et al. H. W. Richardson et al. S. S. Bassler et al. Geo. E. Hunt et al. F. H. Brandenburg et al. G. M. Chappel et al. Jas. Kenealy et al. Jas. Kenealy et al. J. J. Considine et al. J. M. Cline et al. G. W. Felger et al. E. R. Demain et al. H. P. Hardin et al. H. P. Hardin et al. J. W. Smith et al. J. W. Smith et al. S. W. Gelenn et al. D. P. Med Collymet et al.	do	189. 468.
	G. W. Felger et al	do	112
	E. R. Demain et al.	do	136
	H. P. Hardin et al	do	115 203
	J. W. Smith et al S. W. Glenn et al D. P. McCallum et al A. J. Mitchell et al C. F. R. Wappenhaus et al Patrick Connor et al H. B. Boyer et al I. G. Gardiner et al M. J. Wright, jr., et al C. F. Schneider et al G. A. Loveland et al F. H. Clark et al. G. E. Franklin et al		203
	D. D. McCollum et al	0.00	210
	A. T. Mitchell et al.	do	119
	C. F. D. Warmenhauer et al	do	212 414 310
	Petriels Corner et al	do	910
	H R Rover et al	do	107
	I G Gardiner et al	do	112
	M. J. Wright, ir et al	do	199
	C. F. Schneider et al	do	122 122
	G. A. Loveland et al	- do	302
-	F. H. Clark et al.	do	292
	G. E. Franklin et al	do	523
1	Frank Burke et al	do	321
1	G. N. Wilson et al.	do	321 106
	H. R. Patrick et al	do	106
	S. C. Emery et al	do	281
	W. M. Wilson et al	do	432 297 173
	T. S. Outram et al	do	297
	W. M. Dudley et al	do	173
	F. P. Chaffee et al	do	317 456
	H. C. Bate et al.	- do	456
	E. W. McGann et al	do	139 585
	K. E. Kirkam et al.		585
	T. T. Crow et al	-do	117
	J.J. Widmeyer et al	do	$\frac{247}{174}$
	T. A Welch et al	do	310
	J. G. Lingley et al	do	139
	Hector S. Ball et al	. do	202
	Arthur B. Crane et al.	do	122
	G. A. Loveland et al F. H. Clark et al G. E. Franklin et al Frank Burke et al G. N. Wilson et al H. R. Patrick et al S. C. Emery et al W. M. Wilson et al T. S. Outram et al W. M. Dudley et al F. P. Chaffee et al H. C. Bate et al E. W. MoGann et al J. J. Gray et al J. J. Widmeyer et al L. A. Welsh et al J. G. Linsley et al Hector S. Ball et al Arthur B. Crane et al L. M. Dey et al Frank Rådgway et al E. P. Jones et al E. P. Jones et al E. S. Paque et al E. A. Evans et al E. A. Evans et al	do	122 542 212
	Wm. T. Blythe et al	do	212
	Geo. B. Wurtz et al	do	86
	Frank Ridgway et al	do	310
	E. P. Jones et al	do	218
	B. S. Paque et al.	do	494 284
	C. F. von Herrmann et al	do	284
	Onin Dankon et al		297
	H C Franker fold et al	do	174
	P C I rone et al	do	522 264
	J H Smith et al	do	187
	H. H. Curley et al	do	112
	E. C. Thompson et al	do	199
	F. A. Carpenter et al	do	122 112
	Alex, G. McAdie et al.	do	620
	H. B. Hersey et al	do	195
	J. M. Sherier et al	do	204
	W. H. Fallon et al	do	96
	C. F. von Herrmann et al. E. A. Evans et al. Orin Parker et al. H. C. Frankenfield et al. P. C. Lyons et al. J. H. Smith et al. H. H. Curley et al. E. C. Thompson et ai. F. A. Carpenter et al. Alex. G. McAdie et al. H. B. Hersey et al. J. M. Sherier et al. Geo. N. Salisbury et al. Chas. Davis et al. U. G. Purssell et al. H. E. Wilkinson et al.	do	204. 96. 215.
	Chas. Davis et al	do	114.
		7	122.

194 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1897.			
ept. 30	Jno. Craig et al.	Salaries	\$131.
	Jno. Grover et al	do	112.
	T. B. Jennings et al	do	126.
	R.J. Hyatt et al	do	139. 297.
	Geo. E. Grimes et al.	do	101.
	Ches M Strong et al	do	120.
	Elias B. Dunn et el	do	228. 655. 77.
	M. G. Renoe et al	do	77.
	Jas. A. Barwick	Services	106.
	Jno. Craig et al. Jno. Grover et al J. E. Lanonette et al T. B. Jennings et al R. J. Hyatt et al Geo. E. Grimes et al Jno. D. Blagdon et al Chas, M. Strong et al Elias B. Dunn et el M. G. Renee et al Jas. A. Barwick S. B. Pfanner		
	Chas. A. Rogers L. I. Ahlering C. Murphy Wm. W. Neifert et al. Clark W. Combs Paul J. Sendker Albert B. Pitman E. B. Richards F. L. Johnson Evelyn B. Baldwin L. I. Ahlering Omer Monroe Allen Buell Wayland Bailey B. D. Johnson A. Brand W. C. McGuiness B. M. Jacobs Wm. Davis B. A. Blundow Geo. L. Lovett R. F. Young J. W. Byram Geo. F. Todd Jos. P. Fallihee D. C. Murphy N. D. Lane J. J. McLean Frank R. Beahan J. J. O'Donnell Geo. W. Eddey E. H. Nimmo Chas. W. Ling R. M. Hardinge F. Z. Gosewisch Jos. J. Dosher Geo. W. Scott H. W. Grasse M. E. Conway Jos. Sands J. C. Piercy Marsden Wright Julius C. Hayden Chas. Adie O. B. Hart W. M. Edmundson J. P. Slanghter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson J. A. Barwick J. R. Williams T. S. Collins Everett C. Hobbs E. J. Davenport Fitshugh Newman Ella W. Daniel Chas. A. Rogers C. D. C. Thompson M. B. De Vane E. W. Meeler	~	88, 158.
et. 2	Chas. A. Rogers L. I. Ahlering	Services	20.
6	C. Murphy	do	11. 13.
9	Wm. W. Neifert et al.	Salaries	119.
25	Clark W. Combs	Services	3.
	Paul J. Sendker	do	9. 42.
31	E R Pichards	do	42. 101.
91	F. L. Johnson	do	101.
	Evelyn B. Baldwin	do	101. 13. 25.
	L.I. Ahlering	do	25.
	Omer Monroe	do	38. 101.
	Wayland Bailey	do	101
	B. D. Johnson	do	25. 92.
	A. Brand	do,	92.
	W.C. McGuiness	do	84.
	Wm Davis	do	25.
	B. A. Blundow	do	101. 101.
	Geo. L. Lovett	do	25.
	R. F. Young	do	101 101
	J. W. Byram	do	101.
	Jos P Follihee	do	101. 60.
	D. C. Murphy	do	109
	N. D. Lane	do	109.
	J.J. McLean	do	101. 92.
	J. J. O'Donnell	do	92.
	Geo. W. Eddey	do	92
	E. H. Nimmo	do	101
	Chas. W. Ling.	do	101
	R. M. Hardinge	do	101 109
	Jos. J. Dosher	do	60.
	Geo. W. Scott.	do	101
	H. W. Grasse	do	60
	M. E. Conway	do	70. 60
	J. C. Piercy	do	101
	Marsden Wright	do	84
	Julius C. Hayden	do	70.
	Chas. Adie	do	70. 84. 60.
	W M Edmundson	do	109
	J. P. Slaughter	do	101
	R. S. Smith	do	101. 60.
	Chas. Stewart	do	101.
	Thos Gibson	do	101.
	J. A. Barwick	do	109.
	J. R. Williams	do	101.
	T. S. Collins	do	101. 109. 101. 101.
	Everett C. Hobbs	do	92. 25.
	E. o. Davenport Fitshugh Newman	do	25. 101.
	Ella W. Daniel	do	25.
	Chas. A. Rogers	do	25. 84.
	Ella W. Daniel Chas. A. Rogers C. D. C. Thompson M. B. De Vane E. W. Wheeler Wm. A. Shaw	do	84.
	M. B. De Vane	do	25. 20.
	E. W. WHEELET		20.

Date.	Jos. P. Bolton C. M. Boucher A. E. Hackett et al J. W. Bauer et al H. W. Richardson et al G. E. Hunt et al F. H. Brandenburg et al Geo. M. Chappel et al N. B. Conger et al L. M. Tarret al Jas. Kenealy et al T. J. Considine et al I. M. Cline et al E. R. Demain et al S. L. Dosher et al J. W. Smith et al S. L. Dosher et al J. W. Smith et al S. W. Glenn et al S. W. Glenn et al S. W. Glenn et al J. P. McCallum et al C. F. R. Wappenhaus et al Alex. J. Mitchell et al Patrick Connor et al H. B. Boyer et al I. G. Gardiner et al Geo. E. Franklin et al F. H. Clarke et al Geo. E. Franklin et al F. H. Clarke et al Geo. N. Wilson et al H. C. Bate et al E. B. Dunn et al Jas. I. Widmeyer et al L. A. Welsh et al J. G. Carliner et al Geo. E. Franklin et al Frank Burke et al Geo. E. Franklin et al F. H. Clarke et al Geo. T. Wilson et al H. C. Bate et al E. B. Dunn et al J. G. Lindsley et al H. R. Patrick S. C. Emery Wilford M. Wilson T. S. Outram W. M. Dudley W. W. Neifert H. L. Ball A. B. Crane L. M. Dey W. T. Blythe G. B. Wurtz Frank Ridgway E. P. Jones B. S. Paque C. F. von Herrmann Orin Parker H. C. Frankenfield Fred Myers P. F. Lyons F. A. Carpenter C. C. Thompson A. E. McAdie H. B. Hersey W. H. Fallon J. M. Sherier G. N. Salisbury Charles Davis U. G. Purssell et al H. B. Dick et al J. B. Lianonette et al J. B. Jianonette et al J. B. Jianonete et al J. B	Nature of payment.	Total
897. t. 31			
t. 31	Jos. P. Bolton	Services	\$101
	C. M. Boucher	do	25
	A. E. Hackett et al	Salaries	131
	J. W. Bauer et al	do	124 395
	H. W. Richardson et al	do	395
	G. E. Hunt et al	do	210
	F. H. Brandenburg et al	do	318 444 441
	Geo. M. Chappel et al	do	444
	N. B. Conger et al	do	441
	L. M. Tarret al	do	131
	Jas. Kenealy et al	do	323 195 483
	T. J. Considing et al	do	195
	T.M. Cline et al	do	483
	G W Felger et al	do	116
	E R Demain et al	qo.	139
	S. I. Doshar et al	do	199
	T W Smith et al	do	128 210
	C W. Shith et al	00	217
	S. W. Glenn et al	(10	217
	D. P. McCallum et al	do	122 427
	C. F. R. Wappenhaus et al	ao	427
	Alex. J. Mitchell et al.	do	218
	Patrick Connor et al	do	319
	H. B. Boyer et al	do	16
	I. G. Gardiner et al	do	116 126
	Chas. F. Schneider et al	do	120
	G. A. Loveland et al	do	31
	F. H. Clarke et al	do	301 230
	Geo. E. Franklin et al	do	230
	Frank Burke et al	do	* 449
	Geo. N. Wilson et al	do	109
	H C Bate et al	do	47
	E W McConn et el	do	149
	E D Dunn et al	u0	644
	T. T. T. Wide and the al		180
	Jas. 1. Wiomeyer et al	(10	180
	L. A. Weish et al.	00	319
	J. G. Lindsley et al	do	142
	H. R. Patrick	do	109
	S. C. Emery	do	289
	Wilford M. Wilson	do	45
	T. S. Outram	do	300
	W. M. Dudley	do	300 178 210
	W. W. Neifert.	do	210
	H. L. Ball	do	218
	A. B. Crane	do	120
	L. M. Dev	do	558 218 89
	W. T. Blythe	do	218
	G. B. Wurtz	do	210
	Frank Ridoway	do	319
	F D Toron	u0	016
	D C Doons	(10	225 510
	C F von Hommonn	u0	510
	Owin Ponkon		297
	H C Frankenfold		180
	End Married	(10	45
	Pred myers	do	89 272
	F. F. Lyons	ao	272
	F. A. Carpenter	do	116
	E. C. Thompson	do	126 639
	A. E. McAdie	do	639
	H. B. Hersey	do	202
	W. H. Fallon	do	126
	J. M. Sherier	do	210
	G. N. Salisbury	do	222 117
	Charles Davis	do	112
	U. G. Purssell et al	do	126
	H. E. Wilkinson et al.	do	190
	Jno. Craig et al	do	129 134
	Ino Grover et al	do	116
	J. E. Languette et al	do	110
	T R Jannings at al	do	129
	H. D. Diele et al.	ao	142
	H. D. DICK et al.	ao	142 112 235
	C. M. Strong et al.	do	235
	Jno. D. Blagden et al	do	124
	A. F. Sims et al.	do	227
	H. McP. Baldwin et al	do	124 227 126 432
	Jno. B. Marbury et al.	do	432
	David Fisher et al.	do	121 682 213
	Fred. J. Walz et al	do	689
			002

Date.	Name.	Nature of payment.	Total.
1897.			
et. 31	J. W. Smith et al David Cuthbertson et al. Patek. H. Smyth et al L. N. Jesunofsky et al G. D. Boucher et al Jay B. Sloan et al Jno. Fitzgerald et al S. S. Bassler et al. Edwd. A. Beals et al J. H. Smith et al	Salaries	\$592, 427, 213,
	David Cuthbertson et al	do	427.
	Patek. H. Smyth et al	do :	213.
	L. N. Jesunofsky et al	do	207.
	G. D. Boucher et al.	do	131. 100.
	Jay B. Sloan et al		100.
	S S Reseler et el	do	639 415 584 157
	Edwd A Beals et al	do	584
	J. H. Smith et al	do	157
	H. H. Curley et al	do	116
	R. J. Hyatt et al	do	116 296
	L. M. Pindell et all	do	184
	M. J. Wright, jr., et al	do	122
	Frank P. Chaffee et al	do	303
	U.G. Meyers et al	do	121 247
	J.J. Gray et al	do	247
	R. E. Kerkam et al	do	505
	S. B. Pianner et al.	do	84
	Coo Poodor	Commisses	306 101
v. 1	V P Rrandenhurg	do.	101
v. 1	C. H. Rooth	do	34 26 13
	H. R. Boynton	do	19
	C. A. Rogers	do	25
4	F. P. Holt	do	32
13	S. S. Bassler et al. Edwd. A. Beals et al. J. H. Smith et al. H. H. Curley et al. R. J. Hyatt et al. L. M. Pindell et al. M. J. Wright, jr., et al. Frank P. Chaffee et al. U. G. Meyers et al. J. J. Gray et al. R. E. Kerkam et'al. S. B. Pfanner et al. E. A. Evans et al. E. A. Evans et al. Ceo. Reeder V. P. Brandenburg C. H. Booth. H. R. Boynton C. A. Rogers F. P. Hoft J. W. Cronk R. T. Meriwether C. T. Seiter U. P. Branden	do	57
	R. T. Meriwether	do	9
15	C. T. Seiter	do	9
	J. R. Robinson Chas, H. Booth V. P. Brandenburg	do	15 62
	Chas. H. Booth	do	15
17	V. P. Brandenburg	do	62
	R. P. Powell	do	10
19	Wm. McGilvary	do	10
22	Clarence Robinson	do	26 97
30	Wayland Bailey	do	97
	Edwd. B. Kichards	do	97
	V. P. Brandenburg R. P. Powell Wm. McGilvary Clarence Robinson Wayland Bailey Edwd. B. Richards Balfe D. Johnson A. Brand W. C. McGuiness Benj. M. Jacobs Wm. Davis Frank R. Beahan Beni. A. Blundon		97 25 89
	W.C. McCuiness	do	81
	Reni M Jacobs	do .	94
	Wm. Davis	40	97
	Frank R. Beahan	do	24 97 89
	Benj. A. Blundon	do	97
	Geo. L. Lovett J. W. Bauer J. W. Byram	do	25
	J. W. Bauer	do	106
	J. W. Byram	do	97
	Geo. Reeder	do	97
	Geo. Reeder J. P. Fallihee N. D. Lane J.J. McLean	do	58
	N.D. Lane	do	106
	J. J. McLean E. H. Nimmo J. J. O'Donnell Geo. W. Eddy R. L. Anderson C. W. Ling R. W. Hardinge J. W. Cronk F. Z. Gosewisch J. J. Dosher Geo. W. Scott H. W. Grasse Jos. C. Piercy J. C. Hayden W. M. Edmondson J. P. Slaughter Robt S. Smith	00	97
	E. H. NIMIMO	do	97 89
	Cao W Eddy	do	89
	R L Anderson	do	68
	C. W. Ling	do	68 97
	R. W. Hardinge	do	97
	J. W. Cronk	do	78
	F. Z. Gosewisch	do	10€
	J. J. Dosher	do	58 97
	Geo. W. Scott	do	97
	H. W. Grasse	do	58
	Jos. C. Piercy	do	97
	J.C. Hayden	do	68 106
	W.M. Edmondson	do	97
	Roht S Smith	do	50
	Robt. S. Smith Chas. Stewart Maurice Connell	do	. 58
	Maurice Connell	do	97
	Thos. Gibson	do	97
	Mattree Collini Thos. Gibson J. A. Barwick J. R. Williams T. S. Collins	do	106
	J. R. Williams	do	106
	T. S. Collins	do	97
	E. C. Hobbs Fitzbugh Newman F. L. Johnson	do	89
	Fitzbugh Newman	do	89 97 97
	F. L. Johnson	do	97
	Ella W. Daniels.	do	25 25

WEATHER	BUREAU-GENERAL	EXPENSES—SALARIES—Continued.

э.	Name.	Nature of payment.	Tota
30	M. B. De V ane E. W. Wheeler	Services	\$2
	E. W. Wheeler	do	20
	E. W. Wheeler Wm. A. Shaw Marsden Wright. Chas. Adie R. F. Young W. P. LeRoy do Jos. Sands O. B. Hart	do	8:
	Marsden Wright	d0	8.
	R F Vonng	do	8:
	W. P. LeRov	do	1
	do	do	33
	Jos. Sands	do	58
	O. B. Hart	do	6
			9,
	Geo. T. Todd	do	9.
	J. B. Bolton Chas. M. Boucher M. D. Mabson	do	9
	M. D. Mabson	do	13
	E. J. Davenport	do	91
	H. McP. Baldwin et al.	Salaries	12: 66: 20'
	F.J. Walz et al.	do	66
	Patk. H. Smyth et al		20
	S S Reseler at ol	do	40
	A. E. Hackett et al	do	12
	M. D. Mabson E. J. Davenport H. McP. Baldwin et al. F. J. Walz et al. Patk. H. Smyth et al. L. N. Jesunotsky et al. S. S. Bassler et al. A. E. Hackett et al. E. A. Beals et al. N. B. Concerntal	do	400 120 460
			419
	S. M. Tarr et al. T. J. Considine et al. L. M. Cline et al.	do	12
	T.J. Considine et al	d0	189
	E E Demain et al	do	46 13
	J. W. Smith et al	do	20
	S. W. Glenn et al.	do	914
	A. J. Mitchell et al.	do	213
	J. W. Smith et al S. W. Glenn et al A. J. Mitchell et al. J. G. Gardiner et al.	do	13'
	M. J. Wright, jr., et al. S. C. Emery et al. W. M. Wilson et al. F. P. Chaffee et al.	do	12
	S. C. Emery et al.	00	28
	F P Chaffaget al	do	28: 43: 21:
	W. W. Neifert et al.	. do	20-
	M. E. Conway	Services	139 117
	E. W. McGann et al	Salaries	139
	U. G. Myers et al	do	11'
	Ellas B. Dunn et al	(10	626 626
	Geo E Hunt et al	do	203
	F. H. Brandenburg et al	do	308
	G. M. Chappell et al.	do	430
	G. W. Felger et al	do	113
	S. L. Dosher et al.	do	113
	D. P. McCallum et al.	do	119 419
	Harry R Royer et al	do	160
	C. F. Schneider et al.	do	199
	G. A. Loveland et al.	do	30
	W. M. W. Norfert et al. W. W. Neifert et al. W. E. Conway E. W. McGann et al. L. G. Myers et al. Elias B. Dunn et al. Jno. Fitzgerald et al. Geo. E. Hunt et al. F. H. Brandenburg et al. G. M. Chappell et al. G. W. Felger et al. D. P. McCallum et al. D. P. McCallum et al. C. F. R. Wappenhaus et al. Harry B. Boyer et al. G. F. Schneider et al. G. A. Loveland et al. F. H. Clarke et al. G. E. Franklin et al. Frank Burke et al. Frank Burke et al.	do	30: 29:
	G. E. Franklin et al	do	223
	Frank Burke et al Geo. N. Wilson et al H. R. Patrick et al. T. S. Outram et al	do	429
	H R Patrick et al	do	100 100 29'
	T. S. Outram et al	do	20
	Henry C. Bate et al	do	38
	Henry C. Bate et al. R. E. Kerkam et al. J. J. Gray et al. J. J. Widmeyer et al.	do	490
	J. J. Gray et al	do	24
	J. J. Widmeyer et al.	do	17-
	L. A. Welsh et al.	do	310
	G. B. Wurtz et al.	do	213
	Edwd. P. Jones et al	do	213
	Bemer S. Pague et al	do	49-
	C. F. von Herrmann et al.	do	289
	Jas. H. Smith et al.	do	179
	L. A. Welsh et al. Wm. T. Blythe et al. G. B. Wurtz et al. Edwd. P. Jones et al. Bemer S. Pague et al. C. F. von Herrmann et al. Jas. H. Smith et al. F. A. Carpenter et al. Harry C. Frankenfield et al.		112 522
	Jno. Craig et al.	do	13
	Jno. Grover et al	do	119
	Jno. Grover et al R. J. Hyatt et al Jno. D. Blagden et al	do	115 297 120
	Jno. D. Blagden et al	do	120
	H. B. Dick et al	do	109
	J. D. 510an et al.	do	98 128

Date.	Name.	Nature of payment.	Total.
1897.	J. E. Lanonette et al. Patrick Connor et al Patrick F. Lyons et al J. G. Linsley et al H. L. Ball et al A. B. Crane et al L. M. Dey et al Edwd. A. Evans et al Orin Parker et al H. H. Curley et al E. C. Thompson et al J. M. Sherier et al A. J. Mc Adie et al H. B. Hersey et al A. G. Burns et al Gen. Salisbury et al C. Burns et al C. Wilkinson et al J. B. J. Burns et al Gen. H. Hagen et al J. B. J. Burns et al Gen. H. Hagen et al J. B. J. Burnings et al C. B. Strong et al A. F. Sins et al J. J. B. Marbury et al David Fisher et al B. H. Bronson et al J. W. Smith et al David Cuthbertson et al R. Q. Grant et al L. M. Pindett et al H. W. Richardson et al Frank Ridgway et al C. B. Bright D. C. Murphy J. R. Robinson Chas. Hilvert V. P. Brandenburg C. F. von Herrmann et al E. A. Evans et al J. H. Smith et al H. H. Smith et al H. H. Smith et al J. H. Smith et al	Solonios	4190 00
Nov. 30	Jas. Kenealy et al	Salariesdo	\$126.00 215.60
	Patrick Connor et al	do	310. 40
	Patrick F. Lyons et al.	do	264. 20
	J. G. Linsley et al	do	139. 20 212. 60 122. 80
	A. B. Crane et al	do	122, 80
	L. M. Dey et al	do	542. 40 297. 20
	Edwd. A. Evans et al	do	297. 20
	Urin Parker et al	do	174.40 112.80
	E. C. Thompson et al	do	122. 80
	J. M. Sherier et al	do	204.40 620.20 195.80
	A.J. McAdie et al	do	620.20
	A G Burns et al	do	195. 80
	G. N. Salisbary et al.	do	215.60
	Chas. Davis et al	do	114. 60 122. 80
	U. G. Purssell et al	do	122. 80 126. 00
	Geo. H. Hagen et al	do	179.40
	T. B. Jennings et al	do	179. 40 139. 20
	C. M. Strong et al	do	228.80
	A. F. Sims et al.	do	220, 80 419, 60
	David Fisher et al	do	117, 80
	B. H. Bronson et al	do	117. 80 207. 60
	J.W. Smith et al	do	574.60
	P. O. Grent et al	do	414. 60 127. 80 181. 20
	L. M. Pindett et al	do	181. 20
	H.W. Richardson et al	do	383.80
Dec. 3	Frank Ridgway et al	do	266. 83
	D. C. Murphy	Services	3.35 90.11
8	J. R. Robinson	do	47.00
17	Chas. Hilvert	do	10.87
31	V. P. Brandenburg	Salarian	66.00 297.90
31	E. A. Evans et al	do	297.90
	Orin Parker et al.	do	298.34 180,30
	J. H. Smith et al	do	185.30 116.10
	H. H. Curley et al	do	116. 10 116. 10
	E. C. Thompson et al	do	126, 10
	A. G. McAdie et al	do	126. 10 639. 90
	H. B. Hersey et al	do	202.10
	Alex G. Burns et al	do	126. 10 210. 30
	G. N. Salisbury et al.	do	222, 20
	Chas. Davis et al	do	222. 20 117. 70
	Chas. Davis et al U. G. Purssell et al H. E. Wilkinson et al Jno. Craig et al H. C. Frankenfield et al Patrick F. Lyons et al Jno. Grover et al Jn. E. Lanonette et al G. H. Hagen et al T. B. Jennings et al R. J. Hyatt et al H. B. Dick et al Chas. M. Strong et al J. D. Blagden et al Wm. M. Dudley et al W. W. Neifert et al H. C. Bate et al E. W. McGann et al	do	126. 10 129. 50 134. 50 538. 80
	Jno. Craig et al.	do	134, 50
	H. C. Frankenfield et al	do	990. 00
	Patrick F. Lyons et al	do	272.90
	J E Laponette et al	do	116. 10 129. 50
	G. H. Hagen et al.	do	185 30
	T. B. Jennings et al.	do	142, 90 306, 40 112, 70 235, 60
	R.J. Hyatt et al	do	306. 40
	Chas M Strong et al	do	235 60
	J. D. Blagden et al.	do	119, 42
	Wm. M. Dudley et al	do	119. 42 178. 50
	W.W.Neifert et al	do	210.30
	E.W. McGann et al	do	·400. 90 142. 90
	U.G. Meyers et al	do	121. 10
	R. E. Kerkam et al	do	121. 10 511. 90
	E. B. Dunn et al	do	644.80
	Jas. J. Widmeyer et al	do	256.10 180.30
	L. A. Welsh et al	do	180. 30 319. 80
	J. G. Linsley et al	,do	142 90
	H. C. Bate et al. E. W. McGann et al. U. G. Meyers et al. R. E. Kerkam et al. E. B. Dunn et al. Jas. J. Gray et al. Jas. J. Widmeyer et al. L. A. Welsh et al. J. G. Linsley et al. Hector L. Ball et al. A. B. Crane et al. L. M. Dey et al.	do	218. 70 126. 10 558. 80
	A. D. Urane et al.	(10	120.10

Date.	Name.	Nature of payment.	Total
1897.			
ec. 31	Wm. T. Blythe et al. Geo. B Wurtz et al. Frank Ridgway et al. E. P. Jones et al. B. S. Pague et al. Geo. N. Wilson et al.	Salaries	\$218. 89. 333.
	Geo. B Wurtz et al	do	89.
	Frank Ridgway et al	do	333.
	R S Pagne et al	do	225. 510.
	Geo. N. Wilson et al.	do	109
	H. R. Patrick et al	do	109 109
	Geo. N. Wilson et al. H. R. Patrick et al. S. C. Emery et al. T. S. Outram et al. A. F. Sins et al. J. B. Marbury et al. David Fisher et al. F. J. Walz et al. B. H. Bronson et al.	do	-980
	T. S. Outram et al	do	306 227 432
	A. F. Sims et al	do	227
	J. B. Marbury et al	do	432
	David Fisher et al	'do	121
	P. H. Propose et al	do	682
	D. Cuthbertson et al.	do	213 427
	J. W. Smith et al	do	592
	Patrick H. Smythe et al	do	213
	L. N. Jesunofsky et al.	do	220
	R. Q. Grant et al.	do	131
	L. M. Pindell et al	do	186
	W. S. Palmer et al.	do	114 555
	Jno. Fitzgerald et al	do	555
	D. Cuthbertson et al. J. W. Smith et al. Patrick H. Smythe et al. L. N. Jesunofsky et al. R. Q. Grant et al. L. M. Pindell et al. W. S. Palmer et al. Jon. Fitzgerald et al. S. S. Bassler et al.	do	331
	A. F. Haglatt et al	do	483
	S. S. Bassler et al. E. A. Beals et al. A. E. Hackett et al. H. W. Richardson et al. Geo. E. Hunt et al. F. H. Brandenburg et al. Geo. M. Chappel et al. N. B. Conger et al. L. M. Tarr et al. Jas. Kenealy et al.	do	131 395
	Geo E Hunt et al	do	210
	F. H. Brandenburg et al	do	389
	Geo. M. Chappel et al.	do	. 444
	N. B. Conger et al	do	432
	L. M. Tarr et al	do	444 432 131
	Jas. Kenealy et al T. J. Considine et al I. M. Cline et al G. W. Felger et al	do	222
	T. J. Considine et al	do	195
	1. M. Cline et al.	do	475
	G. W. Felger et al	do	116
	S. I. Dogbor et al	do	139
	J. W. Smith et al	do	119
	E. R. Demain et al S. L. Dosher et al J. W. Smith et al S. W. Glenn et al	do	210 217 122
	D. P. McCallum et al	do	122
	C. F. R. Wappenhaus et al	do	427
	A. J. Mitchell et al.	do	218
	Patrick Connor et al	do	218 319
	H. B. Boyer et al.	do	171
	J. G. Gardiner et al.	do	141
	M. J. Wright, jr., et al.	do	126
	C. A. Loveland et al.	do	126
	E H. Clarks at al	00	311
	G. E. Franklin et al	do	306 230
	Frank Burke et al.	do	449
	N. D. Lane	Services	442 109
	M. B. Mabson	do	29
	H. McP. Baldwin	do	101
	J. W. Smith et al S. W. Glenn et al D. P. McCallum et al C. F. R. Wappenhaus et al A. J. Mitchell et al Patrick Connor et al H. B. Boyer et al J. G. Gardiner et al J. G. Gardiner et al K. J. Wright, jr., et al Chas. T. Schneider et al G. A. Loveland et al F. H. Clarke et al G. E. Franklin et al Frank Burke et al N. D. Lane M. B. Mabson H. McP. Baldwin H. T. McGowan F. L. Johnson Ella W. Daniels Chas. A. Rodgers E. A. Brown M. B. De Vane Allen Buell Wayland Bailey Balfe D. Johnson A. Brand M. C. McGuiness	do	29 101
	F. L. Johnson	do	101
	Char A Padgama	do	25
	E A Brown	00	25 92 25
	M. B. De Vane	do	92
	Allen Buell.	do	101
	Wayland Bailey.	do	101
	Balfe D. Johnson	do	. 25
	A. Brand	do	. 25 92
	M. C. McGuiness E. B. Richards Benj. M. Jacobs	do	9.4
	E. B. Kichards	do	101
	William Davis	do	101 25 101
	William Davis	do	101.
	William Davis B. A. Blundon Geo. L. Lovitt R. F. Young J. W. Bauer	00	101. 25.
	R. F. Young	do	25
	J. W. Bauer	do	101. 109.
	Jno. W. Byram	do	101.
	George Reeder	do	101
	J. D. Fallihee	do	101. 60.
			101.
	E. H. Nimmo F. R. Beahan	do	101.

Date.	Name.	Nature of payment.	Total.
1897.			
Dec. 31	J. J. O'Donnell J. P. Bolton G. W. Eddy R. L. Anderson Chas. W. Ling R. M. Hardinge J. W. Cronk F. Z. Gosewisch J. J. Dosher Geo. W. Scott C. M. Boucher	Services	\$92.70 101.10
	J. P. Bolton	do	101. 10 92. 70
	R. L. Andersen	do	36. 56
	Chas. W. Ling	do	101.10
	R. M. Hardinge	do	101.10 101.10
	J. W. Cronk	do	84. 20
	J. J. Dosher	do	109.50 60.60
	Geo. W. Scott	do	101.10
	C. M. Boucher	do	25.00
	H. W. Grasse.	do	60.60
	Jos Sands	do	70. 80 60. 60
	Wm. A. Shaw	do	84. 20
	Jos. C. Piercy	do	101.10
	Marsden Wright	do	84. 20
	Chas Adia	00	70. 80 84. 20
	O. B. Hart	do	60. 00
	W. M. Edmondson	do	109.50
	J. P. Slaughter	do	101.10
	Chas Stewart	00	60. 60 101. 10
	Maurice Connell	do	101.10
	Geo. W. Scott C. M. Boucher H. W. Grasse. M. E. Conway Jos. Sands. Wm. A. Shaw Jos. C. Piercy. Marsden Wright J. C. Hayden Chas. Adie O. B. Hart W. M. Edmondson J. P. Slaughter R. S. Smith Chas. Gestwart Maurice Connell Thos. Gibson J. A. Barwick	do	101.10
	Inos. G10son. J. A. Barwick Jno. R. Williams T. S. Collins E. C. Hobb E. J. Daveaport Fitzhugh Newman W. P. LeRoy Frank P. Chaffee et al	do	109. 50
	Jno. K. Williams	do	101. 10 101. 10
	E. C. Hobb	do	92. 7
	E. J. Davenport	do	25, 00
	Fitzhugh Newman	do	101. 10 33. 70
	W. P. Lekoy	Coloring	298. 98
	Frank 1. Chance et al	Sararies	450, 50
	Total second quarter		86, 327. 75
1898.			
Jan. 4	Wilford M. Wilson et al.	Salaries	451. 20
5	Edwd, W. Wheeler.	Services	20.00
19			
	Chas. H. Booth	-: -do	4. 03 30. 00
31	Chas, H. Booth Chas. Adie	do	30. 0 86. 1
31	Chas, H. Booth Chas, Adie Otto B. Hart	do	30. 0 86. 1 60. 0
31	Chas. H. Booth Chas. Adie Otto B. Hart W. M. Edmondson	do	30. 0 86. 1 60. 0 111. 9
31	Chas. H. Booth Chas. Adie Otto B. Hart W. M. Edmondson J. P. Slaughter R. S. Smith	do	30. 0 86. 1 60. 0 111. 9 103. 3
31	Chas. H. Booth Chas. Adie Otto B. Hart W. M. Edmondson. J. P. Slaughter R. S. Smith Chas. Stewart	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3
31	Chas. H. Booth Chas. Adie Otto B. Hart. W. M. Edmondson. J. P. Slaughter R. S. Smith. Chas. Stewart. Maurice Connell	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3
,	Wilford M. Wilson et al. Edwd. W. Wheeler. Tazewell Fitzgerald. Chas. H. Booth Chas. Adie. Otto B. Hart. W. M. Edmondson. J. P. Slaughter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson.		30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3
31	Chas. H. Booth Chas. Adie Otto B. Hart W. M. Edmondson J. P. Slaughter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson Jas. A. Barwick Juo R. Williams		30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas. A. Barwick Jno. R. Williams	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3
31	Jas A. Barwick Jno. R. Williams T. S. Collins E. G. Hobb E. J. Davenport Fitzhugh Newman Wm. P. LeRoy Ella W. Daniels Chas. A. Rogers Edwd. A. Brown M. D. De Vane Edwd. W. Wheeler Chas. H. Booth Fred Cowky Aaron H. Bell Wm. G. Burns Allen Buel Geo. L. Lovitt Geo. T. Todd N. D. Lane Jos. P. Bolton Jno. W. Byram Geo. Reeder J. P. Fallihee John J. McLean E. H. Winne	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9 103. 3 111. 9 103. 3 111. 9 103. 3 111. 9 103. 3 111. 9 103. 3 111. 9 103. 3 111. 9 105. 0 105. 0 106. 0 107. 0 108. 0 109. 0
31	Chas. H. Booth Chas. Adie Otto B. Hart W. M. Edmondson J. P. Slaughter R. S. Smith Chas. Stewart Maurice Connell Thos. Gibson Jas. A. Barwick Jno. R. Williams T. S. Collins E. C. Hobb E. J. Davenport Fitzhugh Newman Wm. P. LeRoy Ella W. Daniels Chas. A. Rogers Edwd. A. Brown M. D. De Vane Edwd. W. Wheeler Chas. H. Booth Fred Cowky Aaron H. Eell Wm. G. Burns Allen Buel Geo. L. Loyitt Geo. T. Todd N. D. De Seeder J. P. Fallinee Jos. P. Bolton Jno. W. Byram Geo. R. Geeder J. P. Fallinee John J. McLean E. H. Nimmo F. R. Beahan Jno. J. O'Donnell	do	30. 0 86. 1 60. 0 111. 9 103. 3 62. 0 103. 3 103. 3 111. 9

Date.	Name-	Nature of payment.	Tota
1898.	Geo. W. Eddy R. S. Anderson Chas. W. Ling R. M. Hardinge Geo. W. Scott Jos. C. Piercy Wayland Bailey W. C. McGuiness J. W. Cronk Wm. A. Shaw Marsden Wright F. Z. Gosewisch J. J. Dosher C. M. Boucher H. W. Grasse M. E. Conway Jos. Sands		
n. 31	Geo. W. Eddy	Services	\$9
	R. S. Anderson	do	7: 10:
	Chas. W. Ling	do	103
	R. M. Hardinge	do	10
	Log C Pierrey	do	10
	Wayland Railey	do	103 103
	W. C. McGuiness	do	0
	J. W. Cronk	do	89 89 89 111
	Wm. A. Shaw	do	8
	Marsden Wright	do	8
	F. Z. Gosewisch	do	11
	J.J. Dosher	do	0.
	U. M. Bouener	do	2
	M. F. Conway	do	6: 7:
	Jos Sands	do	6
	J. C. Hayden	do	6
	Balfe D. Johnson	do	2
	Jos Sands J. C. Hayden Balfe D. Johnson A. Brand	do	9.
	Benj. M. Jacobs	do	2
	Wm. Davis	do	10
	R. F. Young	do	10 10
	Balfe D. Johnson. A. Brand. Benj, M. Jacobs Wm. Davis. R. F. Young. B. A. Blundon. Jacob W. Bauer. D. C. Murphydododo. Chas. Hilvertdo H. McP. Baldwin. F. L. Johnson Henry C. Bate et al. U. G. Myers et al. R. E. Kerkam et al J. J. Widmeyer et al. J. J. Widmeyer et al. Luther M. Day et al Wm. T. Blythe et al. B. S. Pague et al. L. A. Welsh et al. H. L. Ball et al A. B. Crane et al. Geo. B. Wurtz et al. Edwd. P. Jones et al. Edwd. P. Jones et al.	do	10
	D. C. Mumby	do	11 1
	D. C. Murphy	do	10
	do	do	11
	Chas, Hilvert	do	. 1
	do	do	
	H. McP. Baldwin	do	10 10
	F. L. Johnson	do	10
	Henry C. Bate et al	Salaries	40
	U.G. Myers et al	do	12 52 18
	R. E. Kerkam et al	do	52
	J.J. Widmeyer et al	do	18
	J. G. Linsley et al.	do	14 56
	Wm T Plytho et al	do	90
	B S Pague et al	do	22 52
	L. A. Welsh et al.	do	32
	H. L. Ball et al	do	22
	A.B. Crane et al	do	22 12 9
	Geo. B. Wurtz et al.	do	9
	Edwd. P. Jones et al	do	23
	Orin Parker et al	do	
	Dotle E I was at al		55 27
	Tag H Smith et al	do	18
	Geo. B. Wurtz et al. Edwd. P. Jones et al. Orin Parker et al. H. C. Frankenfield et al. Patk. F. Lyon et al. Jas. H. Smith et al. Henry H. Curley et al. Ford A. Carpenter et al. Edwin C. Thompson et al. Henry B. Hersey et al. Alex. G. Burns et al. Chas. Davis et al. Frank Burke et al. Frank Ridgway et al.	do	11
	Ford A. Carpenter et al.	do	11
	Edwin C. Thompson et al	do	11 12
	Henry B. Hersey et al	do	20
	Alex. G. Burns et al	do	12
	Chas. Davis et al	do	11
	Frank Burke et al.	do	45
	T C Cordinar et al	00	31
	C. F. Von Horrmonn et al	do	23
	Frank Ridgway et al. J. G. Gardiner et al. C. F. Von Herrmann et al. Edwd. A. Evans et al.	do	29 31
	Lt. W. Felger et al	do	11
	S. W. Glenn et al.	do	22
	S. W. Glenn et al. Chas. F. Schneider et al. Elias B. Dunn et al.	do	12
	Elias B. Dunn et al	do	12 65
	Geo. H. Hagen et al	do	18
	T. B. Jennings et al.	do	14
	Harroy P. Diels et al	do	29
	Chas M Strong et al	0D	11
	Elias B. Dunn et al. Geo. H. Hagen et al. T. B. Jennings et al. R. J. Hyatt et al. Harvey B. Dick et al. Chas. M. Strong et al. David Fisher et al. Lewis M. Pindell et al. Geo. M. Chappell et al. Julius M. Shorier et al.	do	29 11 24 12
	Lewis M. Pindell et al	do	19
	Geo, M. Chappell et al	do	45
	Julius M. Sherier et al	do	21
	Alex G. McAdie et al. Geo. N. Salisbury et al. U. G. Purssell et al.	do	65
	Geo. N. Salisbury et al	do	22
	U. G. Purssell et al.	do	123
	H E Wilkinson et al	do do	133

Date.	Name.	Nature of payment.	Total.
1898.			
an. 31	Jno. Grover et al. J. E. Lanonette et al.	Salaries	\$118. 131. 317.
	J. E. Lanonette et al.	do	131.
	F H Brandanhurg et al	do	204
	L. N. Jesunofsky et al	do	324. 230. 261. 113.
	Jas. J. Grav et al.	do	261
	Jno. D. Blagden et al	do	113
	Thos. J. Considine et al.	do	
	Isaac M. Cline et al	do	485 141 122
	E. R. Demain et al	do	141
	J W Smith et al	do	215
	Danl. P. McCallum et al.	do	124
	C. F. R. Wappenhaus et al	do	437
	Alex. J. Mitchell et al	do	223
	Harry B. Boyer et ai	do	175
	Marcus J. Wright, jr., et al	do	128
	Geo. A. Loveland et al	do	317 312
	Coo F Fronklin et al	00	312 235
	Geo N Wilson et al	do	230 111
	H. R. Patrick et al.	do	111
	Jno. Grover et al. J. E. Lanonette et al H. W. Richardson et al F. H. Brandenburg et al L. N. Jesunofsky et al Jas. J. Gray et al Jno. D. Blagden et al. Ino. D. Blagden et al. E. R. Demain et al E. R. Demain et al E. R. Demain et al J. W. Smith et al Danl, P. Mc Callum et al J. W. Smith et al J. W. Smith et al Danl, P. Mc Callum et al C. F. R. Wappenhaus et al Alex. J. Mitchell et al Harry B. Boyer et al Marcus J. Wright, jr., et al Geo. A. Loveland et al F. H. Clarke et al Geo. A. Loveland et al F. H. Clarke et al Geo. N. Wilson et al H. R. Patrick et al S. C. Emery et al David Cuthbertson et al P. H. Smythe et al R. Q. Grant et al R. Q. Grant et al R. Q. Grant et al S. S. Bassler et al Edwd. A. Beals et al A. E. Hackett et al Geo. E. Hunt et al Geo. E. Hunt et al J. M. R. Tarr et al Jas. Kenealy et al Jas. Kenealy et al Fed. J. Walz et al Fed. J. Walz et al Fron B. Marbury et al Fred J. Walz et al Frank P. Chaffee et al Wm. W. Neifert et al Frank P. Chaffee et al Wm. W. Neifert et al Edwd. W. McGann et al Frank P. Chaffee et al Wm. W. Neifert et al Edwd. W. McGann et al Frank P. Chaffee	do	111 298 436
	David Cuthbertson et al	do	436
	P. H. Smythe et al	do	218
	R. Q. Grant et al.	do	138 116 566
	Walter S. Palmer et al	do	116
	Jno. Fitzgerald et al		424
	Fdwd A Pools at al	do	
	A E Hackett et al	do	498
	Geo. E. Hunt et al	do	135 215 441
	N. B. Conger et al.	do	441
	L. M. Tarr et al	do	138
	Jas. Kenealy et al	do	226
	A. F. Sims et al.	do	231
	Jno. B. Marbury et al	do	231 441 696
	Flord D Pichards et al	do	110
	R H Bronson et el	do	917
	J. W. Smith et al	do	118 217 608
	W. M. Wilson et al	do	460
	Thos. S. Outram et al	do	312
	Wm. M. Dudley et al	do	182 337
	Frank P. Chaffee et al	do	337
	Wm. W. Neifert et al	do	189
b. 5	Ldwd. W. McGann et al	Conviged	145 72
12	Frank E Powna	do	49
12	Patrick Conners et al	Salaries	326
28	Frank G. Erskine	Services	32
	Jas. L. Bartlett	eb	18
	Wm. W. Neifert et al Edwd. W. McGann et al J. B. Hicklin Frank E. Payne Patrick Connors et al Frank G. Erskine Jas. L. Bartlett Edw. W. Wheeler. Milton G. Renoe. Jos. P. Runshe. Geo. T. Todd	do	18 20
	Milton G. Renoe.	do	52
	Coo T Todd	do	19 98
	Ches M Pancher	do	28
	Wm P Le Roy	do	31
	Geo. T. Todd Chas, M. Boucher Wm. P. Le Roy. Frank G. Erskine	do	31 28
	Edwd. A. Brown.	do	Q
	M. B. De Vane	do	25 77 95
	Wm. A. Shaw	do	- 7
	U. G. Myers	do	98
	Moredon Wright	do	77
	Frank G. Erskine Edwd. A. Brown M. B. De Vane. Wm. A. Shaw U. G. Myers Jos. C. Piercy Marsden Wright Wm. G. Burns Julius C. Hayden Chas. Adie Otto B. Hart	do	7
	Julius C. Hayden	do	68
	Chas. Adie	do	77
	Otto B. Hart.	do	60
	W. M. Edmondson.	do	101
	J. P. Slaughter	do	93
	Kobt. S. Smith	do	56 98
	Maurice Connell	do	93
	MARITO CONTICHARDA		96
	Thos Gibson	do	y:
	Chas. Adie Otto B. Hart. W. M. Edmondson. J. P. Slaughter Robt S. Smith Chas. Stewart Maurice Connell. Thos. Gibson Jas. A. Barwick Jno. R. Williams. T. S. Collins	do	98 101

Date.	Name.	Nature of payment.	Total
1898.			
b. 28	Everett C. Hobbs. Edwd. J. Davenport Fitzhugh Newman F. L. Johnson Ella W. Daniels Jos. Sands	Services	\$85
	Edwd. J. Davenport	do	25 93
	F. L. Johnson	do	93
	Ella W. Daniels	do	93 25
	Jos. Sands	do	56
	C. P. Cook	do	105 25
	D F Vound	do	20
	Jacob W. Baner	do	93 101
	Jno. W. Byrum	do	93
	Geo. Reeder	do	99 56
	J. P. Fallihee	do	56
	Danl. C. Murphy	do	101
	Agron H Rell	do	101 98
	E. H. Nimmo	do	93
	Jno. J. O'Donnell	do	85
	Jos. P. Bolton	do	93 85 65
	Geo. W. Eddey	do	85
	Ella W. Baniels Jos. Sands C. P. Cook Geo. L. Lovett R.F. Young Jacob W. Bauer Jno. W. Byrum Geo. Reeder J. P. Fallihee Danl. C. Murphy N. D. Lane Aaron H. Bell E. H. Nimmo Jno. J. O'Donnell Jos. P. Bolton Geo. W. Eddey R. L. Anderson Chas. W. Ling R. M. Hardinge J. W. Cronk F. Z. Gosewisch Jos. J. Dosher Geo. W. Scott H. W. Grasse	do	93
	R. M. Hardinge	do	95
	J. W. Cronk	do	77 101 56
	F. Z. Gosewisch	do	101
	Jos. J. Dosher	do	56
	Geo. W. Scott. H. W. Grasse M. E. Conway Allen Buell H. McP. Baldwin Wayland Bailey B. D. Johnson A. Brand W. C. McGuiness	do	98 56
	M. E. Conway	do	65
	Allen Buell	do	98
	H. McP. Baldwin	do	98
	Wayland Bailey	do	98 25
	A Brand	do	85
	W. C. McGuiness	do	77
	Benj. M. Jacobs	do	28
	Wm. Davis	do	98 88
	W. C. McGuiness Benj, M. Jacobs Wm. Davis F. R. Beahan	do	88
	A F Sime at al	Calarias	50 211
	Jno. B. Marbury et al.	do	401
	David Fisher et al.	do	113
	F. J. Walz et al.	do	528
	E. B. Richards et al.	do	108 199
	J. W. Smith et al	do	552
	David Cuthbertson et al.	do	304
	P. H. Smythe et al.	do	199 131 128
	L. N. Jesunofsky et al.	do	131
	R. Q. Grant et al.	do	12a 17a
	W S Palmer et al	do	115
	Jno. Fitzgerald et al.	do	517
	S.S. Bassler et al	do	320
	Edwd. A. Beals et al	do	448
	Anthun F Hadrott et al	do	367
	Geo E Hunt et al	do	128 194
	F. H. Brandenburg et al.	do	360
	Geo. M. Chappell et al	do	411
	N. B. Conger et al	do	401
	Edwd. H. Bowie et al	do	111 207
	T. J. Considing et al	do	181
	G. W. Felger et al	do	108
	Wm. Davis F. R. Beahan Benj. A. Blundon A. F. Sims et al. Jno. B. Marbury et al. David Fisher et al. F. J. Walz et al. E. B. Richards et al. B. M. Bronson et al. J. W. Smith et al. David Cuthbertson et al. David Cuthbertson et al. L. N. Jesunofsky et al. L. N. Jesunofsky et al. L. N. Jesunofsky et al. L. M. Pindell et al. W. S. Palmer et al. Jno. Fitzgerald et al. S. S. Bassler et al. Edwd. A. Beals et al H. W. Richardson et al Arthur E. Hackett et al. Geo. E. Hunt et al. F. H. Brandenburg et al. Geo. M. Chappell et al. N. B. Conger et al. Edwd. H. Bowie et al Jas. Kenealy et al T. J. Considine et al G. W. Felger et al E. R. Demain et al. Saml. L. Dosher et al J. W. Smith et al	do	108 131
	Sami. L. Dosher et al	do	110
	S. W. Smith et al	do	194
	C. F. R. Wannenhaus et al	do	194 202 364
	E. K. Demain et al. Saml. L. Dosher et al. J. W. Smith et al. S. W. Glenn et al. C. F. R. Wappenhaus et al. I. M. Cline et al. C. E. Salvagidan et al.	do	. 438
	C. F. Schneider et al.	do	118
	S. E. Emery et al	do	118 276
	Jas. J. Gray et al	do	236
	I. M. Cline et al. C. F. Schneider et al. S. E. Emery et al. Jas. J. Gray et al. Geo. B. Wurtz et al. U. G. Purssell et al. J. D. Blagden et al. Geo. H. Hagen et al.	00	82
	J. D. Blagden et al.	. do	118 102 171
	Goo H Hagen et al	do	171

204 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30, 1898-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1898.			
eb. 28	T. B. Jennings et al	Salaries	\$133.
	R. J. Hyatt et al.	do	272. 105.
	H. B. Dick et al.	do	105.
	Orin Parker et al	do	219. 166.
	Jas H Smith et al	do	171
	H. H. Curley et al	do	171. 108.
	Ford A. Carpenter et al	do	108.
	E. C. Thompson et al	do	118.
	Alex. G. McAdie et al	do	593. 186.
	Alex G Burns et al	do	118
	J. M. Sherier et al	do	118. 196.
	Geo. N. Salisbury et al.	do	206
	Chas. Davis et al	do	110.
	H. E. Wilkinson et al	do	121. 126.
	Jno. Craig et al.	do	126.
	H. C. Frankenfield et al	do	499.
	The Crever et al	do	202.
	J. E. Lanonette et al	- do	252. 108. 121.
	Alex, J. Mitchell et al	do	204
	T. B. Jennings et al S. J. Hyatt et al H. B. Dick et al C. M. Strong et al C. M. Strong et al Crin Parker et al Jas. H. Smith et al H. H. Curley et al Ford A. Carpenter et al E. C. Thompson et al Alex. G. Mc Adie et al H. B. Hersey et al Alex. G. Burns et al J. M. Sherier et al Geo. N. Salisbury et al Chas. Davis et al H. E. Wilkinson et al Jno. Craig et al H. C. Frankenfield et al P. F. Lyons et al Jno. Grover et al Jno. Frankenfield et al Patrick Connor et al H. B. Boyer et al H. B. Boyer et al H. B. Boyer et al W. M. Fulton et el	do	297.
	H. B. Boyer et al	do	159.
	Alex. J. Mitchell et al Patrick Connor et al H. B. Boyer et al W. M. Fulton et al M. J. Wright, jr., et al Geo. J. Loveland et al F. H. Clarke et al Geo. E. Franklin et al S. P. Gresham et al H. R. Patrick et al M. M. Wilson et al H. R. Patrick et al W. M. Wilson et al H. R. Patrick et al W. M. Wilson et al H. R. Patrick et al W. M. Wilson et al L. M. Dudley et al Frank P. Chaffee et al Wm. W. Neifert et al H. C. Bate et al Edw. W. McGann et al L. M. Tarr et al E. E. Kirkam et al L. J. J. Widmeyer et al L. A. Welsh et al J. G. Linsley et al H. L. Ball et al A. B. Grane et al W. T. Blythe et al L. M. Dey et al Frank Ridgway et al E. P. Jones et al C. F. von Herrmann et al E. A. Evans et al Geo. U. Harn, sr	do	116
	M. J. Wright, jr., et al	do	118
	F H Clarks at al	do	289 284
	Geo E Franklin et al	do	204
	S. P. Gresham et al.	do	214 271
	Geo. N. Wilson et al	do	102
	H. R. Patrick et al.	do	102
	W. M. Wilson et al	do	418
	Thos. S. Outram et al	do	284
	Wm. M. Dudley et al	do	166
	Wm W Noifort et al	do	325 171 371
	H. C. Bate et al	do	371
	Edw. W. McGann et al	do	133
	L. M. Tarr et al.	do	113
	R. E. Kirkam et al	do	474 597
	Elias B. Dunn et al	do	597
	J. J. Widmeyer et al	do	166
	L. A. Welsn et al	do	297 133
	H L Ball et al	do	204
	A. B. Crane et al	do	204 118
	W. T. Blythe et al	do	204
	L. M. Dey et al	do	520
	Frank Ridgway et al	do	297 209
	E. F. Jones et al.	00	209 277
	E A Evens et al	do	284
ar. 1	Geo. U. Harn, sr	Services	40
	E. P. Jones et al C. F. von Herrmann et al E. A. Evans et al Geo. U. Harn, sr Spanl. P. McCallum et al Schas. Hilbert. SJno. J. McLean Chas. A. Rogers Louis Dorman B. S. Pague et al U. G. Meyers Sch. H. Booth C. S. Gough F. R. Beahan J. J. O'Donnell G. W. Eddy R. L. Anderson C. W. Ling R. M. Hardinge J. W. Cronk T. Z. Gosewisch J. J. Dosher G. W. Scott C. M. Boucher H. W. Grasse M. E. Conway Jos. Sands W. A. Shaw	Salaries	40 102 14
$\frac{2}{7}$	Chas. Hilbert	Services	14
	Jno. J. McLean.	do	93
	Chas. A. Rogers	do	25 35
	Louis Dorman	Colorios	379
17	H G Meyers	Services	23
18	C. H. Booth	do .	51 48
-0	C. S. Gough	do	48
31	F. R. Beahan	do	94
	J. J. O'Donnell	do	94
	G. W. Eddy	00	79
	C. W. Ling	do	94 94 94 72 103
	R. M. Hardinge	do	103
	J. W. Cronk	do	86
	T. Z. Gosewisch	do	103.
	J. J. Dosher	do	103. 86. 103. 62.
	G. W. Scott	do	105.
	C. M. Boucher	do	25.
	H. W. Grasse	00	62. 72.
	Jos. Sands	do	62.
	UUS, Dallus	do	86.

Date.	Name.	Nature of payment.	Total
1898.	J. C. Piercy Marsden Wright. J. C. Hayden Chas. Adie O. B. Hart W. M. Edmonson. J. P. Slaughter Robt. S. Smith Geo. L. Lovett R. F. Young J. W. Bauer J. W. Byram Geo. Reeder G. T. Todd J. P. Fallihee D. C. Murphy N. D. Lane A. H. Bell E. H. Nimmo W. C. McGuiness B. M. Jacobs Wm. Davis A. Brand B. D. Lobyson		
ar. 31	J. C. Piercy	Services	\$103 86 72
	Aarsuen Wright	do	80 79
	Chas. Adie	do	86
	O. B. Hart	do	86 60 103 103
	W.M. Edmonson	do	1.03
	J. P. Slaughter	do	103
	Goo I Lorett	do	62 25
	R F Voung	do	103
	J. W. Bauer	do	103 111
	J. W. Byram	do	103 103 103 62
	Geo. Reeder	do	103
	T. D. Fallibas	do	103
	D C Murphy	do	103
	N. D. Lane	do	103 103
	A. H. Bell	do	103 103
	E. H. Nimmo	do	103
	W. C. McGuiness		86 25 103 94
	Wm Dovie	do	109
	A. Brand	do	91
	B. D. Johnson	do	25
	Wayland Bailey	do	25 103
	A. Brand B. D. Johnson Wayland Bailey Allen Buell F. H. Duff J. P. Bolton Marie Wood M. B. De Vane J. J. McLean Maurice Connell J. A. Barwick J. R. Williams T. S. Collins	do	103
	F. H. Duff		86
	Marie Wood	do	108
	M. B. De Vane	do	103 25 103
	J. J. McLean	do	103
	Maurice Connell	do	103 103
	J. A. Barwick	do	103
	T. S. Collins	do	103
	Everett C. Hobbs	do	103 94
	E.J. Davenport	do	25
	Fitzhugh Newman	do	25 103
	W. P. Le Roy	do	34
	F. L. Johnson	do	103
	G R Ackermen	do	25 72
	E. A. Brown	do	94
	H. McP. Baldwin	do	103
	H. C. Merrill	do	103 37 103
	Chas. Stewart	do	103
	C. P. Cronk	00	111
	Edw. Wheeler	do	15 20
	E. B. Richards	do	103
	L. N. Jesunofsky	do	34
	C. A. Rodgers	do	11 13 14
	W. Schlomer	do	13
	S M Blandford	do	98
	do	do	103
	Chas. M. Strong et al	Salaries	231
	Jno. D. Blagden et al	do	231 113
	D. P. McCallum et al	do	119
	J.P. Linsley et al.	(10	128 131 136
	Ino Crair et al	do	13.
	H. C. Frankenfield et al.	do	550
	P. F. Lyons et al.	do	279
	Jno. Grover et al	āo	118 131
	J. E. Lanonette et al.	do	131
	T. B. Januings et al	00	189
	H. B. Dick et al.	do	145
	J. R. Williams T. S. Collins Everett C. Hobbs E. J. Davenport Fitzhugh Newman W. P. Le Roy F. L. Johnson Ella W. Daniels G. B. Ackerman E. A. Brown H. McP. Baldwin H. C. Merrill Chas. Stewart C. P. Cronk C. H. Booth Edw. Wheeler E. B. Richards L. N. Jesunofsky C. A. Rodgers W. Schlomer R. P. Powell S. M. Blandford do Chas. M. Strong et al J. P. Linsley et al H. E. Wilkinson et al J. P. Lrankenfield et al P. F. Lyons et al J. Grover et al J. Grover et al J. E. Lanonette et al G. H. Hagen et al J. E. Lanonette et al G. H. Hagen et al T. B. Jennings et al H. B. Dick et al W. M. Wilson et al	do	114 287
	W. M. Wilson et al	do	555
	B. S. Pague et al.	do	555 417 399
	S. S. Bassler et al	do	399
	H. B. Dick et al R. J. Hyatt et al W. M. Wilson et al B. S. Pague et al S. S. Bassler et al Geo. E. Franklin et al A. F. Sims et al J. B. Marbury et al David Fisher et al F. J. Walz et al F. J. Walz et al F. J. Walz et al	do	235
	J. B. Marhury et al	do	231 455
	statement of the second of the	uv	123

Date.	Name.	Nature of payment.	Total
1898.	B. A. Bronson et al		
Iar. 31	B. A. Bronson et al Sala	aries	\$217 436 613
	David Cuthbertson et al	.do	436
	J. W. Smith et al	.do	618
	P. H. Smyth et al	.do	218 216 133
	L. N. Jesunoisky et al.	.do	216
	K. Q. Grant et al	.do	138
	W S Polmon et al	do	190 133
	Δ E Hackett et al	do	150
	Jno. Fitzgerald et al.	do	566
	E. A. Beals et al.	do	49
	H. W. Richardson et al	do	415
	F. H. Brandenburg et al	.do	412 397 454
	G. M. Chappell et al	.do	454
	N. B. Conger et al	.do	441
	E. H. Bowie et al	.do	124 220 199
	Jas. Kenealy et al	.do	220
	T. J. Considine et al	.do	199
	1, M. Cline et al	.do	485
	F. P. Domain et al	do	118
	Sami Doshar et al	do	14 12
	J W Smith et al	do .	21:
	S. W. Glenn et al	do	22
	C. F. R. Wappenhaus et al	.do	42
	A. J. Mitchell et al	.do	240
	Patrick Connor et al	.do	32
	H. B. Boyer et al	.do	19
	W. M. Fulton et al	.do	320 195 144
	M. J. Wright, jr., et al	.do	128
	C. F. Schneider et al.	.do	148
	G. A.: Loveland et al.	.do	317 312
	F. H. Clarke et al	.do	313
	G. E. Hunt et al	.do	46
	G. N. Wilson et al	.do	11
	H. K. Patrick et al.	.00	313
	T S Outrom et el	.do	32
	Wm M Dudler et al	do	156
	F P Chaffee et al	do	289
	H. C. Bate et al.	do	285 465
	W. W. Neifert et al.	do	189
	E. W. McGann et al	.do	145 125 529
	Noble Towner et al	.do	128
	R. E. Kirkam et al	.do	529
	E. B. Dunn et al	.do	658
	J. J. Gray et al	.do	261 184
	J. J. Widmeyer et al	.do	18
	L.J. Welsh et al	.00	320
	A. P. Chang et al	do	223
	I M Dov et al	do	128 583 309
	Wm J Blythe et al	do	300
	G. B. Wurtz et al	.do	9
	Frank Ridgway et al	do	323 230 30-
	E. P. Jones et al	do	230
	C. F. von Herrmann et al	.do	30-
	E. A. Evans et al	.do	326 184
	Orin Parker et al	.do	184
	J. H. Smith et al.	.do	189
	H. H. Curley et al	do	118
	F. C. Thompson et al	do	118 128
	A. C. Mo Adio et al	do	859
	H B Hersey et al	do	653 206
	A. G. Burns et al	do	128
	J. M. Sherier et al	do	209
	G. N. Salisbury et al.	do	226
	Chas. Davis et al	.do	128 209 226 119
	U. G. Purssell et al	.do	128
	G. A. Loveland et al. G. E. Hunt et al. G. E. Hunt et al. G. E. Hunt et al. G. N. Wilson et al. H. R. Patrick et al. S. C. Emery et al. T. S. Outram et al. Wm. M. Dudley et al. F. P. Chaffee et al. H. C. Bate et al. W. W. Neifert et al. E. W. MeGann et al. B. W. W. Neifert et al. E. W. McGann et al. B. E. Kirkam et al. B. E. Kirkam et al. B. Dunn et al. J. J. Gray et al. J. J. Widmeyer et al. L. J. Welsh et al. H. L. Ball et al. A. B. Crane et al. Wm. J. Blythe et al. G. B. Wurtz et al. Frank Ridgway et al. E. P. Jones et al. C. F. von Herrmann et al. E. A. Evans et al. J. H. Smith et al. H. H. Curley et al. F. A. Carpenter et al. E. A. C. Thompson et al. D. H. Smith et al. H. B. Hersey et al. A. G. B. Warser et al. J. M. Sherier et al. G. N. Salisbury et al. G. N. Salisbury et al. Chas. Davis et al. U. G. Purssell et al. U. G. Purssell et al. Total third quarter		87, 727
pr. 7	Paul De Graw Ser Ada Ross H. L. Ball W. Watters H. D. Ponnay	vices	15
_	Ada Ross	do	58 58
15 20	H. L. Ball	.do	53 6 105

Date.	Name.	Nature of payment.	Total.
1898.			
pr. 20	J. H. Powell E. T. Groene. Thos, Gibson Paul De Graw M. B. Van Vraderburg J. H. Powell Wm. E. O'Grady do Chas, A. Boothe E. J. Davenport G. P. La Barre. Wm. P. Le Roy Ella W. Daniels Fitzhugh Newman F. L. Johnson	Services	\$11.00 86.10
	E. T. Groene	do	103, 30
21	Paul De Graw	do	1.00
22	M. B. Van Vraderburg	do	2. 42 6. 00
	J. H. Powell	do	6.00
23	Wm. E. O'Grady	do	12. 50 8. 06
	Chas. A. Boothe	do	15.00
30	E. J. Davenport	do	25, 00
	G. P. La Barre	do	20.00
	Wm. P. Le Koy	do	33. 00 25. 00
	Fitzhugh Newman	do	98, 90
	F. L. Johnson	do	98.90
	G. B. Ackerman	do	69. 20 90. 70 25. 00
	M R De Vane	do	25. 00
	Chas. Hilvert.	do	4. 12
	C. M. Johnson, jr	do	10.71
	A. L. Rupert	do	8. 00 16. 00
	C. W. Ling	do	98. 90
	J. J. McLean	do	98.90
	R.M. Hardinge	do	98.90
	F. L. Johnson G. B. Ackerman E. A. Brown M. B. De Vane Chas. Hilvert C. M. Johnson, jr A. L. Rupert A. J. Craig C. W. Ling J. J. McLean R. M. Hardinge W. A. Shaw J. C. Piercy Marsden Wright Ida Ross J. C. Hayden Chas. Adie Otto B. Hart	do	82. 40 98. 90
	Marsden Wright	do	82.40
	Ida Ross	do	15.00
	J. C. Hayden	do	69. 20
	Chas. Adie	do	82.40 60.00
	W. B. Edmondson	-do	98. 96
	J. P. Slaughter	do	98. 90 98. 90 59. 30
	R. S. Smith	do	59. 30
	Maurice Connell	do	98. 90 98. 90
	Thos. Gibson	do	98. 90
	J. A. Barwick	do	98.90
	Philip Thompson	do	10.00
	H I. Rall	do	98. 90 57. 69
	Chas, Adie Otto B, Hart. W. B. Edmondson J. P. Slaughter R. S. Smith Chas, Stewart Maurice Connell Thos, Gibson J. A. Barwick Philip Thompson J. R. Williams H. L. Ball T. S. Collins E. C. Hobbs D. C. Murphy	do	98, 90
	E. C. Hobbs	do	98.90
	D. C. Murphy. N. D. Lane	do	98. 90
	N. D. Lane	0D	98. 90 98. 90 98. 90
	A. H. Bell E. H. Nimmo	do	98. 90
	I I O'Donnoll	do	90. 70
	G. W. Eddey. R. L. Anderson J. W. Smith R. G. Allen	do	90, 70 69, 20 115, 40
	J. W. Smith	do	115.40
	R. G. Allen	do	49. 48
	J. W. Cronk	do	82, 40
	J. W. Cronk F. Z. Gosewisch J. J. Dosher	do	98. 90 59. 30
	G. W. Scott	do	98.96
			25. 00 59. 30 69. 20 59. 30
	C. M. Boucher H. W. Grasse M. E. Conway Jos. Sands Allen Buell Wayland Bailey B. D. Johnson Albert Brand E. C. Easton M. F. Logwis	do	59.30
	M. E. Conway	do	69. 20
	Allen Buell	do	98. 90
	Wayland Bailey	do	98, 90
	B. D. Johnson	do	25. 00 45. 38
	E C Easton	do	45. 38 94. 78
	M. F. Loomis	do	7. 50
	M. F. Loomis J. P. Bolton. Elvin J. Glass.	do	7. 50 98. 90 45. 33
	Elvin J. Glass	do	45. 33
	do B. M. Jacobs Wm. Davis F. R. Behan	do	49. 43
	Wm. Davis	do	98 96
	F. R. Behan	do	24. 70 98. 90 90. 70
			107.10
	G. L. Lovett R. F. Young J. W. Bauer J. W. Byram	do	25. 00
	J. W. Bauer	do	98. 90 107. 10 98. 90
	T TE TO		101.1

ate.	Name.	Nature of payment.	Tota
.898.	Geo. Reeder W. C. McGuiness Albert Brand F. H. Duff G. T. Todd J. P. Fallihee Chas. Hilvert Frank Ridgeway et al M. Van Vradenberg et al R. J. Hyatt et al H. B. Dick et al W. H. Fallon et al J. D. Blagden et al G. W. Wurtz et al E. B. Jones et al B. S. Pague et al C. F. Von Herrmann et al E. A. Evans et al H. H. Curley et al J. H. Smith et al J. E. Lanonetté ét al J. E. Lanonetté ét al J. E. Lanonetté ét al J. H. H. Brandenburg et al F. F. Schneiden et al G. N. Wilson et al H. R. Patrick et al F. S. Crane et		
or. 30	Geo. Reeder Ser	vices	\$9
. pr. 00	W. C. McGuiness.	do	8
	Albert Brand	.do	4
	F. H. Duff	.do	8
	G. T. Todd	.do	9
	J. P. Fallinee	.00	5
	Unas. Hilvert	-do	28
	M Van Vradenberg et al	do	28 19
	R. J. Hvatt et al	do	12 27 11 20
	H. B. Dick et al	do	11
	W. H. Fallon et al	.do	20
	J. D. Blagden et al	.do	10
	G. W. Wurtz et al	.do	8
	E. B. Jones et al	.00	22
	C. F. Von Herrmann et al	do	46 29
	E. A. Evene et el	do	21
	Orin Parker et al	do	17
	H. H. Curley et al	do	31 17 11
	F. A. Carpenter et al	do	11
	E. C. Thompson et al	.do	12
	A. G. McAdie et al	do	69 28
	J. H. Smith et al.	.do	28
	H. C. Frankenfield et al	do	26
	H R Hersey et al	do	50 19 12
	A. G. Burns et al	do	12
	J. M. Sherier et al	.do	20
	G. N. Salisbury et al	.do	21
	Chas. Davis et al	.do	11
	U. G. Purssell et al	.do	12
	H. E. Wilkinson et al.	.do	12
	J no. Grover et al	.00	11
	C. H. Hagen et al	do	11 12 18
	Jno. Chaig et al	do	11
	T. B. Jennings et al	do	14
	G. E. Franklin et al	.do	22 18
	W. W. Neifert et al.	.do	18
	F. H. Brandenburg et al	.do	38
	F. P. Chaffee et al	.do	27
	H. U. Bate et al.	.00	27 39 14
	I. M. Torr et al	do	11
	B. E. Kerkam et al	do	54
	E. B. Dunn et al.	.do	63
	J. J. Gray et al	.do	63 25
	J. J. Widmeyer et al	.do	17
	L. A. Welsh et al.	.do	31
	J. G. Linsley et al.	.do	$\frac{12}{22}$
	A B Crope et al	do	12
	L. M. Dev et al	do	56
	G. N. Wilson et al.	.do	56 10
	H. R. Patrick et al	.do	10
	S. C. Emery et al	.do	30
	W. M. Wilson et al	.do	30 53 30
	T. S. Outram et al	.do	30 17
	W. M. Dudley et al.	.do	18
	W. M. Eulton et al.	.do	13
	M C Wright ir et al	do	. 12
	C. F. Schneider et al	do	12
	G. A. Loveland et al.	.do	30
	E. B. Richards et al	.do	30 30 44
	G. E. Hunt et al	do	.44
	G. W. Felger et al	do	11 13 11
	E. R. Demain et al:	.do	13
	S. L. Dosher et al.	do	21
	D. P. McCallum et al	do	11
	C. F. R. Wannenhaus et al	do	40
	A. J. Mitchell et al.	do	11 40 23
- 4	C. F. Schneider et al. G. A. Loveland et al. E. B. Richards et al. G. E. Hunt et al. G. W. Felger et al. E. R. Demain et al. S. L. Dosher et al. S. W. Glenn et al. D. P. McCallum et al. C. F. R. Wappenhaus et al. A. J. Mitchell et al. Patrick Connor et al. G. M. Chappel et al. N. B. Conger et al.	do	31
	G. M. Chappel et al	do	42
	N. B. Conger et al E. H. Bowie et al	do	39 12

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	. Nature of payment.	Total.	
1898.				
Apr. 30	Jas. Kenealy et al	Salaries	\$217.80	
	I.J. Considine et al	do	191.30 464.70	
	Jno. Fitzgerald et al.	do	544.50	
	S. S. Bassler et al	do	407. 30 389. 23 395. 90	
	E. A. Beals et al	do	389, 23	
	I. M. Cline et al Jno. Fitzgerald et al S. S. Bassler et al E. A. Beals et al H. W. Richardson et al A. E. Hackett et al A. F. Sims et al H. Mc Baldwin et al J. B. Marbury et al David Fisher et al	do	145. 40	
	A.F. Sims et al	do	222, 80	
	H. McBaldwin et al.	do	111. 40 437. 00	
- 1	David Fisher et al	dodo	118. 90	
	Bavid Tishes et al. F. J. Walz et al. B. M. Bronson et al. J. W. Smith et al. David Cuthbertson et al.	do	556. 48	
	B. M. Bronson et al.	do	209. 60	
	J. W. Smith et al.	do	588. 60	
	P. H. Smyth et al.	do	418.80 209.50	
	R. Q. Grant et al	do	128.90	
	L. N. Jesunofsky et al	do	207. 80	
	W. S. Palmer et al	do	183. 10	
,	R. G. Allen	Services	128. 90 45. 33	
May 4	Wm. T. Blythe et al	Salaries	214. 50	
18	Jno. K. Weeks	Services	34.62	
21	Wm. C. Flora	do	20.00 14.50	
	Wm. R. English	do	9. 00	
	E. W. Wheeler	do	20.00	
	Chas Hilvert	do	6.00	
26	Louis Ruhl	do	8. 25 6. 00	
	J. C. Kaufman	do	5.75	
31	A. F. Sims et al.	Salaries	229. 40	
	David Cuthbertson et al	do	229. 40 607. 80 432. 40	
	P. H. Smyth et al	do	216.60	
	S. S. Bassler et al	do	420.40	
	H. W. Richardson et al	do	149. 20 408. 20	
	J. M. Sherier et al	do	196.00	
	Geo. M. Chappel et al	do	332. 20	
	N. B. Conger et al	do	406.80 219.40	
	D. P. McCallum et al	do	118. 60	
	C. F. R. Wappenhaus et al	do	419.00	
	Alex.J. Mitchell et al	do	238. 00	
	W. M. Fulton et al	do	182. 20 142. 80	
	C. F. Schneider et al.	do	144. 20	
	J. H. Spencer et al.	do	203.80	
	Geo. E. Franklin et al	dodo	309.60 233.00	
	T. S. Outram et al	do	318.00	
	F. J. Walz et al. B. M. Bronson et al. J. W. Smith et al. David Cuthbertson et al. P. H. Smyth et al. R. Q. Grant et al. L. N. Jesunofsky et al. L. N. Jesunofsky et al. L. M. Pindell et al. W. S. Palmer et al. R. G. Allen. Wm. Z. Blythe et al. Jno. R. Weeks H. E. Smith Wm. C. Flora. Wm. R. English E. W. Wheeler Lee Outten. Chas. Hilvert Louis Ruhl J. C. Kaufman. A. F. Sims et al. J. W. Smith et al. David Cuthbertson et al. P. H. Smyth et al. S. S. Bassler et al. A. E. Hackett et al. H. W. Richardson et al. J. M. Sherier et al. Geo. M. Chappel et al. N. B. Conger et al. N. W. Glenn et al. D. P. McCallum et al. C. F. R. Wappenhaus et al. Alex. J. Mitchell et al. W. U. Simons et al. W. U. Simons et al. J. H. Spencer et al. E. P. Richards et al. E. P. Richards et al. E. P. Richards et al. E. B. Dunn et al. E. B. Crane et al. E. F. F. Sall E. C. Thompson et al. H. M. P. Blythe et al. E. D. Walz et al. H. B. Dick et al. H. M. P. Flyons et al. H. M. P. Flyons et al. H. B. Dick et al. H. M. P. P. Baldwin et al. H. B. Van Vradenburg et al. H. M. B. Van Vradenburg et al. H. B. David Fisher et al. H. B. David Fisher et al. H. B. David Fisher et al. H. B. Van Vradenburg et al. H. B. David Fisher et al. H.	do	280.00	
	R. E. Kerkam et al	do	122. 20 459. 60	
	E. B. Dunn et al	do	459. 60 651. 80	
	L. A. Welsh et al	do	320. 78	
	C. M. Strong et al.	do	229.40	
	Wm. T. Blythe et al	do	127. 20	
	P. F. Lyons et al	do	221. 00 276. 00 127. 20	
	E. C. Thompson et al	do	127. 20	
	Jno. Grover et al	do	718. 40 117. 20 187. 40 113. 60	
	Geo. H. Hagen et al.	do	187, 40	
	H. B. Dick et al.	do	113.60	
	W. A. Fallon et al	do	209.18	
	Jno. B. Marbury et al.	do	127. 20	
	David Fisher et al	do	451. 00 122. 20 672. 40	
	F. J. Walz et al.	do	672.40	
	B H Branson et al	dodo	127. 20	
	L. N. Jesunofski et al.	do	215. 80 214. 40	
	E. R. Demain et al. G. W. Felger et al	do	140.80	
	G. W. Felger et al	do	117.20	

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

WEATHER BUREAU-GENERAL EXPENSES-SALARIES-Continued.

ate.	I. M. Cline et al J. J. Considine et al Jas. Kenealy et al Ed. H. Bowie et al J. W. Bauer et al E. A. Beals et al J. W. Bauer et al E. A. Beals et al J. O. Fitzgerald et al W. S. Palmer et al R. Q. Grant et al R. J. Hyatt et al J. Dosher et al J. U. Warren Smith et al J. Warren Smith et al J. Warren Smith et al J. Warren Smith et al Patrick Connor et al M. J. Wright, jr., et al Geo. E. Hunt et al Geo. E. Hunt et al Geo. N. Wilson et al H. R. Patrick et al Saml. C. Emery et al W. M. Wilson et al H. E. Vail et al W. W. Neifert et al H. C. Bats et al Edw. W. MeGann et al Jas. J. Gray et al Jas. J. Gray et al Jas. J. Widmyer et al J. J. Linsley et al L. M. Dey et al Geo. B. Wurtz et al W. M. Edmonson et al E. P. Jones et al B. S. Pague et al D. S. Pague et al J. S. Pague et al J. G. F. Von Herrmann et al Edw. A. Evans et al Orin Parker et al Jno. Craig et al H. C. Frankenfield et al Jas. J. Smith et al R. B. Boyer Chas. Davis U. G. Purssell H. E. Wilkinson J. E. Lanonette T. D. Jennings Edw. W. Wheeler Marie Wood Chas. H. Booth Allen Buell Wayland Bailey B. D. Johnson Al. Brand W. C. McGuiness B. M. Jacobs Walcott L. Day C. P. Cronk Geo. Reeder Geo. T. Todd J. P. Fallinee Dan C. Murphy N. D. Lane A. H. Bell D. P. Johnson Al. Brand W. C. McGuiness B. M. Jacobs Walcott L. Day C. P. Cronk Geo. Reeder Geo. T. Fallinee Dan C. Murphy N. D. Lane A. H. Bell D. H. Bell D. P. Johnson Al. Brand W. C. McGuiness B. M. Jacobs Walcott L. Day C. P. Cronk Geo. W. Eddey R. L. Anderson Chas. J. McLean A. H. Bell D. P. Bolton Geo. W. Eddey R. L. Anderson Chas. J. Dosher	Nature of payment.	Tota
898.	·		
y 31	I. M. Cline et al	Salaries	\$507 197
	T. J. Considine et al	do	197
	Jas. Kenealy et al	do	224
	Ed. H. Bowie et al	do	224 128 128
	J. W. Bauer et al	do	125
	E. A. Beals et al.	do	510
	Jno. Fitzgerald et al	do	561
	W. S. Palmer et al	do	561 121 132 381
	R. Q. Grant et al.	do	132
	R.J. Hyatt et al	do	381
	Jno. D. Blagden et al	do	11:
	T Warren Craith at al	00	12.
	Detriel Copper et al	do	112 121 221 323
	M T Wright in at al	d0	326
	Cao F Hunt et al	do	127 450 109 110 298
	Goo N Wilson et al	do	100
	H R Potrick at al	do	110
	Saml C Emery et al	do	110
	W M Wilson of al	do	545
	H E Vail et al	do	94
	W. W. Neifert et al	do	919
	H. C. Bata et al	do	212 408 144
	Edw. W. McGann et al	do	14
	Jas J. Gray et al	do	250
	Jas. J. Widmyer et al	do	189
	J. J. Linsley et al.	do	12
4	L. M. Dev et al	do	185 127 578
	Geo. B. Wurtz et al	do	90
3	W. M. Edmonson et al.	do	11'
	E. P. Jones et al	do	90 117 227 468
	B. S. Pague et al	do	468
	C. F. Von Herrmann et al	do	30
	Edw. A. Evans et al	do	30: 32: 18:
	Orin Parker et al	do	189
	Jno. Craig et al	do	138
	H. C. Frankenfield et al	do	510
	Jas. H. Smith et al	do	289
	Robt. M. Hardinge et al	do	100
	Alex, G. Burns	Services	138 510 289 100 127
	H. B. Boyer	do	213 113 127
	Chas. Davis	do	113
	U. G. Purssell	do	12
0	H. E. Wilkinson	do	130
	J. E. Lanonette	do	130 144
	T. D. Jennings	do	144
	Edw. W. Wheeler	do	20
n	Marie Wood	do	18 18 10
	Unas. H. Booth	00	10
- 0	Manager 1 Deller	(l0	102
2	P. D. Jahnson	do	102
	A1 Propd	do	109
	W.C. McGuiness	do	100 84
	B. M. Jacobs	do	100 110 25 100 100 100 100 100
	Walcott L. Day	do	109
	C. P. Cronk	do	110
	Geo. L. Lovett	do	2:
	B. T. Young	do	102
	Jno. W. Byrum	do	102
	Geo. Reeder	do	109
	Geo. T. Todd	do	102
	J. P. Fallihee	do	6.
	Dan C. Murphy	do	102 102
	N. D. Lane	do	102
	A. H. Bell	do	
	E. H. Nimmo	do	102
	T. R. Beahan	do	93
	Jno. J. O'Donnell	do	98
	J. P. Bolton	do	102
	Geo. W. Eddey	do	93
	R. L. Anderson	do	71
	Chas. W. Ling	do	102 102 93 93 102 93 71 102
	Jno. J. McLean	do	102
	R. G. Allen	do	102 102 85
	J. W. Cronk	do	85
	F 7 Cocomical	do	120

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898—Cont'd.

WEATHER	BUREAU-GENERAL	EXPENSES—SALARIES—Continued.
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Date.	Name.	Nature of payment.	Total
1898.	C. M. Boucher . Wm. M. Dudley H. W. Grasse M. E. Conway Jos. Sands W. A. Shaw J. C. Piercy Marsden Wright J. C. Hayden Chas. Adie O. B. Hart J. P. Slaughter R. S. Smith Maurice Connell Thos. Gibson Jas. A. Barwick Jno. R. Williams Hector L. Ball T. S. Collins E. C. Hobb. Fitzhugh Newman E. J. Davenport W. P. Le Roy F. L. Johnson Ella W. Daniels Geo. B. Ackerman Edwd. A. Brown M. B. De Vane. R. C. Williams H. B. C. Williams		
ay 31	C. M. Boucher	Services	\$25
	Wm. M. Dudley	do	98
	H. W. Grasse	do	61 71
	Jos. Sands	do	61
	W. A. Shaw	do	85 102 85
	J. C. Piercy	do	102
	Marsden Wright	do	85
	J. C. Hayden	do	71
	O B Hant	do	85 60
	J P Slaughter	do	102
	R. S. Smith	do	61
	Maurice Connell	do	102
	Thos. Gibson	do	102 102 102
	Jas. A. Barwick	do	102
	Jno. K. Williams	do	102
	T S Collins	40	102
	E. C. Hobb	do	93
	Fitzhugh Newman	do	102
	E. J. Davenport	do	25
	W. P. Le Roy	do	34
	F. L. Johnson	do	34 102 28
	Goo R Ackerman	do	71
	Geo. B. Ackerman Edwd. A. Brown M. B. De Vane. R. C. Williams Chas. Stewart L. M. Pindell et al Geo. N. Salisbury et al Frank Ridgway et al Thos. C. Price Wm. C. Flora Geo. A. Loveland F. H. Brandenburg et al H. H. Curley et al J. B. Sloan Geo. E. Fox A. McC. Ashley Lucy C. Cronk Virginia P. Brandenburg Jos. W. Halford Wm. E. Drumbar R. B. Hamblen F. A. Carpenter et al B. P. Harrison Robt. B. Grigg Geo. W. Scott Jas. Quarles Chas. Hilvert	do	98
	M. B. De Vane	do	2
	R. C. Williams	do	102
	Chas. Stewart	do	102
ne 1	L. M. Pindell et al.	Salaries	179
	Frank Ridgway et al	do	233
	Thos. C. Price	Services	318 28
3	Wm. C. Flora	do	- 7
	Geo. A. Loveland	do	119
	F. H. Brandenburg et al.	Salaries	334
	H. H. Curley et al	do	334 113 36
	Geo F Foy	Services	30
	A. McC. Ashley	do	10 18
	Lucy C. Cronk	do	14
	Virginia P. Brandenburg	do	5
	Jos. W. Halford	do	21
18	Wm, E. Drumbar	do	2
21	F A Carpenter et al	Salaries	117
21	B. P. Harrison	Services	11
	Robt. B. Grigg.	do	à
	Geo. W. Scott	do	102 2 17
	Jas. Quarles	do	2
	Vincinia P Prendenhance	(10	17
	W. W. Barnes	do	26
	Walter Stack	do	11
	Jas. Quarles Chas. Hilvert Virginia P. Brandenburg W. W. Barnes Walter Stack Wm. R. English E. J. Davenport R. H. Dunbar H. A. D. Purdy Jas. Jones Emil Meyer, jr. C. T. Kryden do Edwd. Wheeler C. H. Booth Robt. G. Allen Fredk. Z. Gosewisch Jos. J. Dosher Geo. W. Scott	do	14
30	E. J. Davenport	do	25
	R. H. Dunbar	do	60
	H. A. D. Purdy	do	46 11
	Emil Mayor in	do	2
	C. T. Kryden	do	44
	do	do	60
	Edwd. Wheeler	do	20
	C. H. Booth	do	15
	Fredk Z Gosewisch	00	98
	Jos. J. Dosher	do	98 98 59
	Geo. W. Scott	do	98
	C. M. Boucher	do	25
	H. W. Grasse	do	59 69
	M. E. Conway	do	69
	W A Show	do	59
	Jos J. Dosher Geo. W. Scott C. M. Boucher H. W. Grasse M. E. Conway Jos Sands W. A. Shaw J. C. Piercy Marsden Wright J. C. Hayden Chas. Adie	do	82 98
	Marsden Wright	do	98 82
			69.

212 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd.

WEATHER BUREAU-GENERAL EXPENSES-SALARIES-Continued.

Date.	Name.	Nature of payment.	Tota
1898.			
n. 30	Otto B. Hart	Services	\$60 98
	Otto B. Hart J. P. Slanghter Robt. T. Smith Chas. Stewart Maurice Connell Thos. Gibson Jas. A. Barwick Jno. R. Williams H. L. Ball T. S. Collins E. C. Hobbs	do	98
	Robt. T. Smith	do	59
	Chas. Stewart		98
	They Cibeen	do	98
	Tag A Populals	tl0	98
	Juo R Williams	do	98
	H I. Roll	do	11
	T S Collins	do	0
	E. C. Hobbs	do	9.
	Fitzhugh Newman	do	9.
	W. P. Le Roy	do	3
	F. L. Johnson	do	3:
	Ella W. Daniels	do	2
	Geo. B. Ackerman	do	6
	H. L. Ball T. S. Collins E. C. Hobbs Fitzhugh Newman W. P. Le Roy F. L. Johnson Ella W. Daniels. Geo. B. Ackerman M. B. Devane W. M. Emery. Harry Du Bois J. A. Armour, jr. Allen Buell Jno. J. O'Donnell Balfe D. Johnson Albert Brand W. C. McGuiness B. M. Jacobs W. L. Day F. R. Beahan C. P. Cronk. Geo. L. Lovett R. F. Young Jno. W. Byram Geo. Reeder G. T. Todd J. P. Falline Danl. C. Murphy Edw. A. Brown Chas. Hillyert Jas. Deacon W. C. Snowden W. L. Rood	do	2
-	W. M. Emery	do	2
	Harry Du Bois	do	3
	J. A. Armour, jr	do	3
	Allen Buell		9
	Jno.J. O'Donnell	do	8
	Balle D. Johnson	do	2
- 1	W. C. McCrimes	00	9
	P. W. Tacaba	ao	8 2
	W I Dow	do	0
	E P Reahan	do	9 9 10
	C. P. Cronk	do	10
	Geo L. Lovett	do	2
	R. F. Vonng	do	9
	Jno W Byram	do	9
	Geo. Reeder	do	9
	G. T. Todd	do	9.
1	J. P. Fallihee	do	5
	Danl, C. Murphy	do	9.
	Edw. A. Brown	do	9.
10	Chas. Hilvert	do	
- 1	Jas. Deacon	do	
	W. C. Snowden	do	- :
	Wm. L. Rood	do	
	W. C. Snowden Wm. L. Rood do Lawrence Long	do	1
	Lawrence Long	do	1
	J. P. Bolton		9
i i	N.D. Lane	00	9
U.	E H Nimme	A.:	98 98 98
0	Wayland Railay	do	9
	Geo W Eddy	do	9
	R. L. Anderson	do	69
	J. J. McLeon	do	9
	David Cuthbertson et al	Salaries	40
	P. H. Smyth et al.	do	200
	W. S. Palmer et al	do	12
	S. S. Bassler et al	do	45
	A. C. Hackett et al	do	17
	J. W. Bauer et al	do	12 45 17 12 22 22
1	A. F. Sims et al.	do	22
	H. McP. Baldwin et al	00	12: 43' 60:
	F. I. Wolg of al.	do	60
	P. H. Bronson et al	do	996
	H W Richardson et al	do	30
	Fredk H Bradenburg et al	do	450
	N. B. Conger et al	do	222 398 456 394 191
	T. J. Considine et al	do	19
	G. W. Felger et al	do	116
	J. W. Smith et al	do	214
	S. W. Glenn et al	do	215
	W. U. Simons et al	do	· 176
	W. M. Fulton et al	do	138
	Lawrence Long J. P. Bolton N. D. Lane A. H. Bell E. H. Nimmo Wayland Bailey Geo. W. Eddy R. L. Anderson J. J. McLeon David Cuthbertson et al P. H. Smyth et al W. S. Palmer et al S. S. Bassler et al A. C. Hackett et al J. W. Baner et al A. F. Sims et al H. McP. Baldwin et al Jno. B. Marbury et al F. J. Walz et al H. W. Richardson et al F. J. Walz et al J. W. Banen et al S. W. Banen et al J. W. Smith et al J. W. Richardson et al Fredk. H. Bradenburg et al T. J. Considine et al J. W. Smith et al S. W. Glenn et al W. U. Simons et al W. M. Fulton et al W. M. Fulton et al M. J. Wright, jr., et al E. P. Richards et al Geo. E. Franklin et al Geo. E. Hunt et al Geo. E. Hunt et al Geo. E. Hunt et al	do	123
	E. P. Richards et al	do	138 128 300
	Geo. E. Franklin et al	do	226 442
	0 73 77 3	do	4.45

Expenditures of Department of Agriculture for fiscal year ending June 30, 1898-Cont'd.

WEATHER BUREAU-GENERAL EXPENSES-SALARIES-Continued.

Date.	Name.	Nature of payment.	Total.
1898.	Wm. M. Dudley et al. Frank P. Chaffee et al. H. C. Bate et al. Robert E. Kirkham et al. J. G. Linsley et al. A. B. Crane et al. L. M. Dey et al. Wm. T. Blythe et al. E. P. Jones et al. B. S. Pague et al. Orin Parker et al. H. H. Curley et al. E. C. Thompson et al. R. M. Hardinge et al. H. H. B. Dick et al. L. M. Dey et al. E. C. Thompson et al. R. M. Hardinge et al. Alex. G. Burns et al. J. M. Cline et al. L. M. Cline et al. L. R. Demain et al. Saml. Dosher et al. J. M. Cline et al. C. F. R. Wappenhaus et al. Jno, Grover et al. Frank Ridgway et al. Geo. N. Loveland et al. E. A. Beals et al. J. W. Smith et al. J. W. Smith et al. J. W. Smith et al. J. W. Cronk et al. Patrick Connor et al. C. F. Schneider et al. J. W. Cronk et al. C. F. Schneider et al.		
an. 30	Wm. M. Dudley et al	Salaries	\$183.
	Frank P. Chaffee et al	do	272.
	H. C. Bate et al	do	392. 527.
	I C Linelay et al	do	123
	A. B. Crane et al	do	123. 123. 560.
	L. M. Dev et al	do	560.
	Wm. T. Blythe et al	do	214.
	E. P. Jones et al	do	221. 468. 176.
	B. S. Pague et al.	00	176
-	H H Curley et al	do	113.
1	E. C. Thompson et al	do	123.
	R. M. Hardinge et al.	do .,	174.
	Alex. G. Burns et al	do	123.
	The Craim of al	00	119.
	H B Dick et al	do	119. 132. 110.
	I. M. Cline et al	do	423.
	E. R. Demain et al.	do	423. 137.
	Saml. Dosher et al.	do	117. 115. 405.
1	C. F. B. Wannanhans et al	00	115.
	Jno Grover et al	do	105.
1	Frank Ridgway et al.	do	313.
	Geo. N. Loveland et al	do	367.
1	E. A. Beals et al.	do	494.
	J. W. Smith et al	do	563.
	J. W. Cronk et al	do	· 231. 107.
1	Patrick Connor et al	do	313.
	C. F. Schneider et al.	do	140.
1	H. R. Patrick et al.	do	107.
. 1	S. C. Emery et al	do	369. 455.
- 1	Thee S Outrom et al	do	308.
	Wm. W. Neifert et al.	dodo	206.
	E. W. McGann et al	do	140.
1	L. M. Tarr et al	do	118.
	E. B. Dunn et al	do	631. 250.
	J.J. Widmeyer et al	do	250. 176.
1	L. A. Welsh et al.	do	478.
	Chas. M. Strong et al	do	222.
	Geo. B. Wurtz et al.	do	87. 113.
1	W. M. Edmondson et al.	do	113. 292.
	J. W. Cronk et al. Patrick Connor et al. C. F. Schneider et al. H. R. Patrick et al. S. C. Emery et al. W. M. Wilson et al. Thos. S. Outram et al. Wm. W. Neifert et al. E. W. McGann et al. L. M. Tarr et al. E. B. Dunn et al. Jas. J. Gray et al. J. J. Widmeyer et al. L. A. Welsh et al. Chas. M. Strong et al. Geo. B. Wurtz et al. W. M. Edmondson et al. C. F. von Herrmann et al. E. A. Evans et al.	00	313.
	H. C. Frankenfield et al	do	514.
	P. F. Lyons et al	do	267.
	E. A. Evans et al H. C. Frankenfield et al P. F. Lyons et al Jas. H. Smith et al F. A. Carpenter et al	do	280.
			113. 695.
	A. G. McÀdie et al H. B. Boyer et al G. N. Salisbury et al U. G. Purssell et al H. E. Wilkinson et al J. E. Lanonette et al	dodo	209.
	G. N. Salisbury et al.	do	23.4
	U. G. Purssell et al	do	123.
19	H. E. Wilkinson et al.	do	123. 127. 127.
.	G. H. Hagen et al.	00	127. 181.
	T. D. Jennings et al	do	140.
	R. J. Hyatt et al.	do	300.
	W. H. Fallon et al	do	206.
	Jno. D. Blagden et al	do	108.
	Marion R von Vredenburg et al	00	118. 123.
	L. N. Jesunofsky et al:	do	207.
	R. G. Grant et al	do	128.
	L. M. Pindell et al.	do	168.
	Jno. Fitzgerald et al	do	544.
	G. M. Sherier et al	do	189.
	J. E. Lanonette et al. G. H. Hagen et al. G. H. Hagen et al. T. D. Jennings et al. R. J. Hyatt et al. W. H. Fallon et al. Jno. D. Blagden et al. David Fisher et al. Marion B. van Vradenburg et al. L. N. Jesunofsky et al. R. G. Grant et al. L. M. Pindell et al. Jno. Fitzgerald et al. J. M. Sherier et al. G. M. Chappell et al. Edw. M. Bowie et al. Jas. Kenealy et al.	do	415. 128.
	Jas. Kenealy et al	do	192.

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 $Expenditures\ of\ Department\ of\ Agriculture\ for\ fiscal\ year\ ending\ June\ 30,\ 1898-{\tt Cont'd}.$

WEATHER BUREAU-GENERAL EXPENSES-SALARIES-Continued.

Date.	Name.	Nature of payment.	Total.
1898. July 7 19 20 21 25	Supplemental. Eugene D. Emigh Fred. A. Tower Chas. W. Ling. Jas. Deacon Frank A. Davis Chas. M. Booth Walter Stack Dewey Rogers Geo. Howard A. C. Nelson W. H. Pryor Thos. C. Price Total	do do do do do do do do	\$6.06 21.00 98.90 3.00 2.75 24.00 26.00 2.00 13.00 17.50

RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	86, 327. 72 87, 727. 07 88, 979. 99
Total	351, 416, 99

0

